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ABSTRACT

This report presents survey data from the Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions for Fiscal Year 1991. This is a survey of the 15 Federal agencies that provide virtually all of the Federal funding for science and engineering research and development (R & D) at universities and colleges. Amounts for tuition support programs such as Pell Grants and Supplemental Educational Opportunity Grants are included in the figures; totals exclude loans to individuals. Data tables list federal obligations to univesities and colleges by type of activity for the fiscal years (FYs) 1963-91. Data present federal obligations for science and engineering R & D, first by geographic division and state, for FYs 1984-91; second, by the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency for FY 1991; and, third, by state, institution, and agency for FY 1991. Statistical data also show federal obligations to universities and colleges by: (1) type of activity and agency for FYs 1963-91; (2) geographic division and state for FYs 1984-91; (3) agency and type of activity for FY 1991; (4) geographic division, state, and agency for FY 1991; and (5) the 100 schools receiving the largest amounts, ranked by total amount received and type of activity for FY 1991. (GLR)

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Selected Data

on

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Science and Engineering Activities Program
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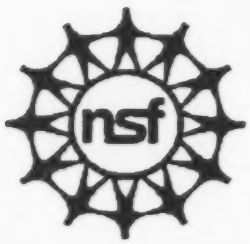

Project Officer: Richard Bennof

Science and Engineering Activities Program
Division of Science Resources Studies
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Contributors

Data collection, preparation, and tabulations were performed by Quantum Research Corporation for the National Science Foundation. The Project Officer for this report was Richard J. Bennof.

CONTENTS

Introduction 1
- Survey Coverage 1
- Acronyms and Abbreviations 1
- Definitions 2
  - Obligations 2
  - Deobligations 2
- Type of Institution 2
  - Universities and Colleges 2
- Categories of Support 2
  - Academic Science and Engineering 2
  - Research and Development 2
  - R&D Plant 3
  - Facilities and Equipment 3
  - Fellowships, Traineeships, and Training Grants 3
  - General Support for Science and Engineering 3
  - Other Science and Engineering Activities 4
  - Nonscience and engineering activities 4
- Data Limitations and Relationship Between Surveys 4

Information Sources
- Data Tapes 5
- Institutional Profiles 5
- CASPAR 5

Tables
1. Federal obligations to universities and colleges, by type of activity: fiscal years 1963-91 7
2. Federal obligations to universities and colleges for science and engineering research and development, by geographic division and State: fiscal years 1984-91 8
3. Federal obligations for science and engineering research and development to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1991 10
4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991 13
5. Federal obligations to universities and colleges, by type of activity and agency: fiscal years 1963-91 28

6. Federal obligations to universities and colleges, by geographic division and State: fiscal years 1984-91 33

7. Federal obligations to universities and colleges, by agency and type of activity: fiscal year 1991 35

8. Federal obligations to universities and colleges, by geographic division, State, and agency: fiscal year 1991 36

9. Federal obligations to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by type of activity: fiscal year 1991 38

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INTRODUCTION

The data presented in this summary are derived from the Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions: Fiscal Year 1991 (hereinafter referred to as the Federal Support Survey) and are being released in advance of the publication that contains more comprehensive detailed statistical tables. Among the available data excluded from this summary are academic totals by type of institutional control, by highest degree granted, and by field of science and engineering (S&E) discipline; data on historically black colleges and universities; data on nonprofit institutions; and data on university and nonprofit-administered federally funded research and development centers.

Survey Coverage

The 15 Federal agencies surveyed in this report provided virtually all of the Federal funding for S&E research and development (R&D) at universities and colleges. The data presented in these tables are for all categories of direct Federal obligations to institutions of higher education in the United States. Therefore, amounts that are subcontracted to other institutions are included, but funds that are received by academic institutions via subcontract arrangements from prime contractors are excluded. Amounts for tuition support programs such as Pell Grants and Supplemental Educational Opportunity Grants are included in these figures. Totals, however, exclude loans to individuals, such as those related to federally guaranteed student loan programs sponsored by the Department of Education and to Federal employee training and development activities.

Acronyms and Abbreviations

The fiscal year (FY) 1991 data shown in this report were submitted by the following Federal agencies, listed by the acronyms and abbreviated references under which data are reported for them:

- AID - Agency for International Development
- Com - Department of Commerce
- DoD - Department of Defense
- DOT - Department of Transportation
- Ed - Department of Education
- EPA - Environmental Protection Agency
- DOE - Department of Energy
- HHS - Department of Health and Human Services
  - ADAMHA - Alcohol, Drug Abuse, and Mental Health Administration
  - CDC - Centers for Disease Control
  - FDA - Food and Drug Administration
  - HRSA - Health Resources and Services Administration
  - NIH - National Institutes of Health
- HUD - Department of Housing and Urban Development
- Int - Department of the Interior
- LABOR - Department of Labor
- NASA - National Aeronautics and Space Administration
- NRC - Nuclear Regulatory Commission
- NSF - National Science Foundation
- OEO - Office of Economic Opportunity
- USDA - Department of Agriculture

The following abbreviated references are used throughout the report:

- FFRDCs - federally funded research and development centers (not published in this report)
- FTTGs - fellowships, traineeships, and training grants
- FY - fiscal year
- NA - not available

n.e.c.	- not elsewhere classified
Non-S&E	- non-science & engineering
R&D	- research and development
S&E	- science and engineering
SRS	- Division of Science Resources Studies, NSF, in which this report is produced

Definitions

Obligations are the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required. Obligations differ from expenditures in that funds allocated by Federal agencies during one fiscal year may be expended by the recipient institution either partially or entirely during one or more subsequent years.

Deobligations are reported in the year in which the obligations were originally made. If the original year was not known or could not be determined by agency accounting records, the deobligation was reported for the current year (FY 1991). Reporting negative data for the current year was possible if the deobligations exceeded current year obligations.

Type of Institution

Universities and colleges are those institutions of higher education in the United States that offer at least 1 year of college-level study leading toward a degree. A university or college comprises all parts of an academic institution, such as colleges of liberal arts, professional schools, hospitals, schools of agriculture, and agricultural experiment stations, including bureaus, offices, and research centers (excluding FFRDCs), whether located on or off the main campus, and branch campuses controlled directly by the parent institution.

The universe of academic institutions that is the foundation of this survey is derived from the higher education institutions' portion of the Department of Education's Integrated Postsecondary Education Data System (IPEDS), sponsored by the National Center for Education Statistics (NCES), and the *1992 Higher Education Directory*, published by Higher Education Publications, Inc. Institutions included are those that received Federal support during FY 1991 and possessed a significant degree of academic and administrative autonomy. Institutions within a system (group of institutions having a collective legal status and generally recognized by a State Government, a board of education, or other relevant organization) in which a significant degree of autonomy remains at the individual institution level are presented separately; obligations to branch campuses are included in the totals for their parent institutions. The study excludes all obligations to the service academies and to the USDA Graduate School.

Categories of Support

Academic science and engineering includes all obligations for the following activities: R&D; R&D plant; facilities and equipment for S&E instruction; fellowships, traineeships, and training grants; general support for science and engineering; and other S&E activities. These activities are defined as follows:

Research and development includes all research activities, both basic and applied, and all development activities that are supported at universities and colleges. Demonstration projects conducted to discover whether a technology or method is workable are considered to be within the scope of R&D if their objective is to produce new information within a specific time period.

"Research" is defined as systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research can be classified as basic or applied, although data reported here are not separated into these categories. In basic research, the investigation is oriented toward gaining a better knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications toward processes or products in mind. In applied research, the investigation is aimed at gaining the knowledge or understanding necessary for determining the means by which a recognized and specific need may be met.

"Development" is the systematic use of knowledge and understanding gained from research directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. Research and development excludes topographic mapping and surveys, collection of general-purpose statistics, and activities concerned primarily with the dissemination of scientific information. Also excluded are routine product testing, quality control, and R&D facilities and fixed equipment.

"Research equipment" is included as part of R&D. It includes any item (or interrelated collection of items constituting a system) of nonexpendable tangible property or software having a useful life of more than 2 years and an acquisition cost of $500 or more that is used wholly or in part for research. R&D in the arts and humanities is excluded from this category but is included in "Non-science and engineering activities."

R&D plant includes all costs—direct, indirect, and related—of all projects whose main objective is to provide support for the construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in scientific or engineering R&D. A facility is interpreted broadly to be any physical resource important to the conduct of R&D. Excluded are expendable research equipment and office furniture and equipment.

Facilities and equipment for S&E instruction includes all programs in which the main purpose is to provide support for the construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in instruction in science and engineering.

Fellowships, traineeships, and training grants include graduate programs in support of the development and maintenance of S&E personnel resources. The total amounts pertaining to such awards (stipends and cost-of-education allowances) are reported on the basis of the institution chosen by the recipient. Excluded are programs that support research and education institutes, seminars, and conferences such as teacher-training activities provided through teacher institutes, short courses, research participation, and in-service seminars; activities aimed at the development of education techniques and materials for use in S&E training; and programs that provide special opportunities for increasing the scientific knowledge and experience of precollege and undergraduate students. These activities are included in "Other science and engineering activities" or, if not S&E oriented, in "Non-science and engineering activities."

General support for science and engineering includes programs that support nonspecific or generalized purposes related to scientific research and education. Such projects are generally oriented toward aca-

demic departments, institutes, or institutions as a whole and embody varying types of support—ranging from support provided without any specification of purpose other than that the funds be used for scientific projects to projects in which funds are provided for activities within a specified field of science and engineering without a specific purpose. NIH's Biomedical Sciences Support Grants and General Research Support Grants are examples of these types of programs.

Other science and engineering activities include all academic S&E activities that cannot meaningfully be assigned to one of the preceding five categories. Types of activities included are obligations in support of technical conferences, teacher institutes, and activities aimed at increasing the scientific knowledge of precollege and undergraduate students.

Nonscience and engineering activities include all other obligations excluded from the six foregoing categories defined, but which represent direct funding (excluding loans) from a Federal agency to an academic institution for activities or purposes not specifically related to science and engineering. Included are all obligations for research, education, and facilities in the arts and humanities, as well as generalized projects for which the proportion utilized for S&E activities is unknown.

Data Limitations and Relationship Between Surveys

Data presented in this report on R&D and R&D plant by agency sometimes conflict significantly with such data presented in the annual NSF Survey of Federal Funds for Research and Development (referred to hereinafter as the Federal Funds Survey). The treatment of interagency transfers explains much of the difference in the totals. Interagency transfers of funds obligated to an academic or nonprofit institution are reported in the Federal Support Survey by the agency that actually obligates the funds to the receiving institution. In the Federal Funds Survey, however, obligations are reported by the initiating agency. Each of several agencies utilizes personnel from separate internal offices to respond to the two individual surveys, and each frequently collects data from different sources. Data for the Federal Support Survey, for example, are generally processed from award files, whereas Federal Funds Survey data are usually derived from agency budget documents.

Respondents from the separate internal offices that participate in the two surveys also frequently differ in their interpretation of the survey questions. The National Institutes of Health, for example, reports its Biomedical Research Support Grants under "General support for science & engineering" in the Federal Support Survey but under "Research and development" in the Federal Funds Survey.

Regarding the structure of the surveys themselves, the data presented in this report differ in several ways from those presented in the report on the Federal Funds Survey:

1. The two surveys differ in number of agencies involved. In the Federal Support Survey, the 15 Federal agencies that obligate virtually all of Federal support to academic R&D collect data on all Federal obligations to institutions of higher education. For the Federal Funds Survey, data are gathered on budgets for R&D and

R&D plant from all 33 Federal agencies that conduct such programs.

2. The scope of information gathered differs between the two surveys: data collected in the Federal Support Survey pertain to individual academic institutions, whereas those collected in the Federal Funds Survey relate to all types of performers and to character of work (basic and applied research, and development).

For further information concerning the availability of Federal Support Survey data and the technical aspects of this survey, please contact

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Arlington, VA 22230
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INFORMATION SOURCES

Data Tapes

Public-use tapes from the Integrated Academic Science and Engineering Data Base are available for purchase and will normally be shipped within 3 working days from order receipt. Data tapes from the most recent surveys (1991) are currently available. Individuals interested in obtaining data tapes from the National Science Foundation (NSF) Surveys of Academic Science and Engineering should request a copy of the *Supplemental User Guide to Data Tapes*, which contains order forms and detailed information about the tapes. This document may be obtained by calling NSF's Division of Science Resources Studies at (703) 306-1772.

Institutional Profiles

Selected data items for individual doctorate-granting institutions and schools with science and engineering departments that grant a master's degree are available on computer-generated Institutional Profiles. An Institutional Profile consists of data not only from this survey but also from NSF's other two academic S&E surveys: the Survey of Scientific and Engineering Expenditures at Universities and Colleges and the Survey of Graduate Science and Engineering Students and Postdoctorates. For information on obtaining one or a limited group of Institutional Profiles, please call Richard J. Bennof at (703) 306-1772.

CASPAR

Institutional planners are now able to acquire data from several academic S&E resources on CD-ROM. The compact disc contains the Computer-Aided Science Policy Analysis and Research (CASPAR) data base system, which is an easy-to-use tool for retrieval and analysis of statistical data on academic S&E resources. CASPAR provides the analyst with an extensive and growing data library with multiyear statistics on the state of higher education in general and on academic S&E resources specifically. This data library is developed from multiple sources by using standardized institutional names and fields of science definitions. The CASPAR program includes built-in help capabilities to facilitate the use and interpretation of the data.

CASPAR data are drawn from a number of sources. All data are available by individual institutions, by State, and at the national level. Longitudinal data from surveys of universities and colleges conducted by the NSF Division of Science Resources Studies include the Federal Support Survey and R&D Expenditures Survey in addition to the Graduate Student Survey. Data from the surveys of universities and colleges conducted by the National Center for Education Statistics include earned degrees, opening fall enrollment, faculty salaries, tenure and fringe benefits, and financial statistics. Data from other sources include the National Research Council Doctorate Programs Ratings.

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Table 1. Federal obligations to universities and colleges, by type of activity: fiscal years 1963-91

[Dollars in thousands]

Fiscal year	Total, all activities	Academic science and engineering							Non-science and engineering activities
		Total academic science and engineering	Research and development	R&D plant	Facilities for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science and engineering	Other science and engineering activities	
1963	1,413,015	1,328,511	829,524	105,896	1/	1/	1/	393,091	84,504
1964	1,624,963	1,528,604	975,597	100,837	1/	1/	1/	452,170	96,359
1965	2,305,455	1,816,171	1,094,963	126,196	1/	1/	1/	595,012	489,284
1966	3,009,950	2,163,504	1,252,146	114,767	1/	365,560	1/	431,031	846,446
1967	3,317,709	2,323,795	1,301,242	111,309	1/	447,236	1/	464,008	993,914
1968	3,386,637	2,349,817	1,398,305	96,148	1/	440,895	1/	414,469	1,036,820
1969	3,462,370	2,361,399	1,474,681	54,516	1/	436,270	1/	395,932	1,100,971
1970	3,236,612	2,187,579	1,446,618	44,778	1/	429,408	1/	266,775	1,049,033
1971	3,498,596	2,343,129	1,551,391	29,942	28,729	421,029	99,669	212,369	1,155,467
1972	4,144,692	2,599,111	1,853,085	36,917	26,341	387,888	83,288	211,592	1,545,581
1973	3,839,102	2,464,362	1,870,690	43,338	13,372	287,210	38,964	210,788	1,374,740
1974	4,480,372	2,736,984	2,085,204	29,009	3,506	326,600	86,974	205,691	1,743,388
1975	4,547,191	2,805,783	2,246,088	44,787	5,026	201,273	46,353	262,256	1,741,408
1976	5,402,764	2,959,656	2,430,970	23,899	3,210	174,871	74,483	252,223	2,443,108
1977	6,489,735	3,351,337	2,803,017	36,471	3,282	184,671	75,928	247,968	3,138,398
1978	7,471,843	3,959,832	3,385,770	34,328	4,906	205,925	74,398	254,505	3,512,011
1979 2/	7,603,908	4,472,659	3,873,514	32,068	6,743	204,866	92,483	262,985	3,131,249
1980	8,298,804	4,790,972	4,160,543	37,780	3,776	210,121	91,541	287,211	3,507,832
1981 2/	8,640,925	5,062,856	4,410,931	27,694	4,563	205,448	92,721	321,499	3,578,069
1982 2/	8,776,978	5,179,610	4,554,475	31,200	829	176,582	80,137	336,387	3,597,368
1983 2/	9,344,618	5,680,631	5,024,330	37,547	2,522	189,616	94,847	331,769	3,663,987
1984	10,039,468	6,308,014	5,448,821	49,764	1,889	194,895	112,588	500,057	3,731,454
1985	10,971,593	7,257,862	6,246,181	113,932	4,947	253,082	119,171	520,549	3,713,731
1986	11,619,243	7,430,872	6,456,743	105,827	4,990	246,196	111,130	505,986	4,188,371
1987	13,433,783	8,567,284	7,241,001	229,875	13,722	290,942	236,933	554,811	4,866,499
1988	14,066,480	9,136,202	7,719,162	202,907	13,345	309,348	171,826	719,614	4,930,278
1989	15,503,629	10,074,620	8,522,555	237,010	16,911	340,458	197,745	759,941	5,429,009
1990 2/	15,197,512	10,443,077	9,005,771	124,841	19,241	393,820	143,917	755,487	4,754,435
1991	17,414,781	11,814,539	10,014,322	151,708	32,652	472,871	192,590	950,396	5,600,242

1/ Not separately identified but included under "Other science and engineering activities"

2/ For fiscal years (FYs) 1979 and 1981 through 1983, total and non-science and engineering obligations were estimated on the basis of revised data from the Department of Education. The decrease between FYs 1989 and 1990 in total obligations is largely attributable to a decline in the Department of Education's student financial assistance obligations (under "Non-science & engineering activities"), which are funded on a multiyear basis and can fluctuate significantly from year to year.

NOTE: Note that some trend shifts are related to institutional reclassification. As of 1978, two laboratories that were formerly considered academically administered federally funded research and development centers became part of their respective institutions: Applied Physics Laboratory (Johns Hopkins University) and Applied Research Laboratory (Pennsylvania State University). Data for these laboratories are thus included in the academic figures for 1978-91, but excluded for prior years. Similarly, Draper Laboratories separated from the Massachusetts Institute of Technology as of FY 1974 to become an independent nonprofit institution; academic data shown for 1963-73 include Draper Laboratories, whereas those for 1974-91 do not.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1991

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Table 2. Federal obligations to universities and colleges for science and engineering research and development, by geographic division and State: fiscal years 1984-91

[Dollars in thousands]

Geographic division and State	1984	1985	1986	1987	1988	1989	1990	1991
United States, total	5,448,821	6,246,181	6,456,743	7,241,001	7,719,162	8,522,555	9,005,771	10,014,322
New England, total	666,700	737,777	757,600	819,318	840,017	941,872	971,423	1,055,543
Connecticut	128,786	144,455	146,545	174,433	175,972	188,744	189,462	198,672
Maine	7,999	7,166	6,449	8,518	6,618	9,090	10,152	9,740
Massachusetts	453,875	496,981	508,166	536,955	545,068	629,070	635,908	698,515
New Hampshire	22,409	27,750	30,564	34,573	36,766	37,007	52,386	55,501
Rhode Island	35,219	42,131	43,646	40,731	47,349	49,525	51,828	55,243
Vermont	18,412	19,294	22,230	24,108	28,244	28,436	31,687	37,872
Middle Atlantic, total	941,876	1,108,296	1,131,083	1,268,422	1,352,552	1,449,106	1,527,674	1,718,740
New Jersey	71,331	83,023	86,000	97,785	104,853	120,932	139,264	150,569
New York	581,251	680,273	671,899	752,897	795,186	843,497	851,970	917,093
Pennsylvania	289,296	345,000	373,184	417,740	452,513	484,677	536,440	651,078
East North Central, total	746,929	862,398	873,105	980,913	1,017,478	1,138,247	1,195,813	1,342,249
Illinois	226,377	260,394	262,640	297,266	301,297	324,405	335,877	362,285
Indiana	87,369	101,734	100,144	111,184	111,779	131,315	137,754	155,882
Michigan	157,869	178,920	183,814	213,474	233,121	259,265	274,026	313,736
Ohio	148,999	171,831	179,050	199,011	210,593	236,131	250,885	291,113
Wisconsin	126,295	149,519	147,457	159,978	160,688	185,131	197,271	219,233
West North Central, total	309,033	359,097	360,139	410,069	428,857	472,065	519,933	598,895
Iowa	61,933	69,926	74,279	81,722	89,074	103,214	106,735	124,814
Kansas	25,845	31,198	33,239	35,863	37,228	39,105	44,005	50,894
Minnesota	85,132	104,471	102,293	121,588	123,621	133,439	141,711	173,099
Missouri	94,072	108,629	111,289	129,483	137,276	150,269	169,883	181,893
Nebraska	23,816	26,979	24,524	28,464	25,763	27,462	29,379	42,824
North Dakota	13,534	12,625	9,479	8,109	11,044	11,715	22,429	18,666
South Dakota	4,701	5,269	5,036	4,840	4,851	6,861	5,791	6,705
South Atlantic, total	867,236	1,005,957	1,067,279	1,218,784	1,387,350	1,480,512	1,578,357	1,755,967
Delaware	10,123	12,221	12,863	12,067	15,261	16,333	17,922	19,688
District of Columbia	46,096	56,320	49,955	61,057	72,668	71,761	78,658	91,879
Florida	91,555	113,479	121,231	148,757	185,826	196,397	180,487	217,377
Georgia	99,162	118,581	128,772	145,144	168,371	183,963	176,210	194,164
Maryland	346,321	375,086	415,943	460,057	522,341	514,747	588,465	622,221
North Carolina	155,208	184,060	194,999	228,096	246,688	287,838	305,690	340,513
South Carolina	24,424	33,188	32,726	33,516	35,595	38,927	42,668	54,996
Virginia	83,272	103,168	101,082	118,161	126,596	155,454	166,017	181,418
West Virginia	11,075	9,854	9,708	11,929	14,204	15,092	22,240	33,711
East South Central, total	165,738	205,350	219,146	270,537	290,579	312,589	337,519	393,855
Alabama	60,489	70,944	79,921	100,553	106,502	123,373	129,563	155,818
Kentucky	21,281	27,186	27,974	30,721	31,965	37,620	38,098	46,190
Mississippi	18,103	25,150	22,979	31,825	37,891	36,227	36,134	42,970
Tennessee	65,865	82,070	88,272	107,438	114,221	115,369	133,724	148,877
West South Central, total	356,507	420,655	434,494	485,424	517,088	590,849	593,853	677,292
Arkansas	11,935	15,323	14,527	15,487	15,599	19,643	23,537	25,785
Louisiana	40,098	51,373	47,715	59,619	61,456	100,418	68,774	101,680
Oklahoma	24,010	27,880	29,468	32,215	25,495	30,968	35,607	33,148
Texas	280,464	326,079	342,784	378,103	414,538	439,820	465,935	516,679
Mountain, total	328,684	345,949	366,578	392,342	412,334	480,246	533,676	578,020
Arizona	54,295	64,872	65,808	80,345	83,490	103,319	115,683	126,362
Colorado	97,761	104,640	108,473	129,826	145,900	147,301	168,905	182,920
Idaho	15,765	5,757	5,296	6,998	8,647	10,424	10,381	12,718
Montana	7,014	6,549	8,015	8,766	8,554	10,414	13,041	16,216
Nevada	7,299	10,189	10,895	14,955	13,856	16,188	23,022	18,611
New Mexico	65,427	60,630	79,466	55,058	56,163	74,134	70,006	80,720
Utah	65,774	76,557	81,627	86,950	86,648	108,117	122,907	129,587
Wyoming	15,349	16,955	6,998	9,444	9,076	10,349	9,731	10,886
Pacific, total	1,055,852	1,188,994	1,234,207	1,379,461	1,457,359	1,637,196	1,725,729	1,868,228
Alaska	10,611	12,214	14,645	15,373	15,928	15,111	25,060	25,448
California	793,609	908,141	953,989	1,057,440	1,109,851	1,258,906	1,316,729	1,396,356
Hawaii	24,691	33,656	29,196	39,410	39,651	47,913	48,231	47,291
Oregon	72,618	70,068	71,764	84,038	91,133	90,801	95,927	124,453
Washington	154,323	164,915	164,613	183,200	200,796	224,465	239,782	272,682

See explanatory information, if any, and SOURCE at end of table.

Table 2. Federal obligations to universities and colleges for science and engineering research and development, by geographic division and State: fiscal years 1984-91

[Dollars in thousands]

Geographic division and State	1984	1985	1986	1987	1988	1989	1990	1991
Outlying areas, total	10,264	11,708	13,112	15,731	15,548	19,873	21,794	25,533
Guam	1,038	1,138	1,165	1,107	1,096	1,193	1,320	1,325
Puerto Rico	8,337	9,045	10,268	12,678	12,354	16,561	18,000	21,650
American Samoa	200	115	290	340	365	290	592	657
Virgin Islands	599	931	916	1,026	1,091	1,052	1,053	1,048
Trust Territory Pac Isl	90	479	473	580	642	777	829	853

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1991

Table 3. Federal obligations for science and engineering research and development to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1991

[Dollars in thousands]

Institution	Total	USDA	Com	DoD research 1/	DoD develop-ment 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Total, all institutions	10,014,322	408,784	61,854	840,457	482,639	92,098	605,064	104,324	5,301,122	533,728	1,438,636	145,616
1 Johns Hopkins University	490,893	365	318	6,421	263,091	1,879	4,825	820	197,220	5,639	10,080	235
2 University of Washington	245,288	3,104	3,209	21,724	8,434	126	6,852	1,162	158,504	6,805	32,151	3,217
3 Stanford University	237,842	140	30	28,590	362	800	19,712	2,259	106,238	54,199	25,432	80
4 Mass Inst of Technology	232,619	450	1,156	54,707	372	659	48,253	600	56,465	24,796	40,939	4,222
5 Univ of Cal Los Angeles	194,217	343	0	15,179	604	2,083	17,621	695	130,568	7,747	19,096	281
6 University of Michigan	193,954	522	1,267	15,597	193	832	8,284	2,252	125,422	11,282	26,828	1,475
7 Univ of Cal San Diego	182,815	135	115	21,493	439	0	5,132	163	105,675	15,534	34,129	0
8 Univ of Wis-Madison	179,079	9,720	146	11,131	845	0	17,225	518	94,419	11,733	32,887	455
9 Univ of Cal San Francisco	178,698	0	0	1,212	0	0	3,393	161	170,710	919	2,303	0
10 Univ of Pennsylvania	169,352	334	45	20,841	0	1,652	5,783	0	123,542	120	17,035	0
Total 1st 10 institutions	2,304,757	15,113	6,286	196,895	274,340	8,031	137,080	8,630	1,268,763	138,774	240,880	9,965
11 University of Minnesota	168,962	8,943	526	11,193	141	9,242	5,473	1,560	103,725	3,242	23,665	1,252
12 Harvard University	161,719	344	0	4,663	916	500	5,459	1,529	121,506	7,311	18,190	1,301
13 Cornell University	156,151	12,465	307	16,894	0	0	4,921	752	68,705	5,263	46,650	194
14 Yale University	152,513	233	22	5,522	49	0	9,351	172	125,729	1,159	10,261	15
15 University of Pittsburgh	147,757	40	23	8,353	21,007	1,301	2,374	2,124	103,668	1,109	7,657	101
16 Pennsylvania State Univ	144,400	9,066	206	30,171	28,570	1,827	5,542	1,313	35,296	10,042	17,932	4,435
17 Univ of Cal Berkeley	136,020	10,128	120	10,105	1,081	6,618	4,408	839	46,044	19,530	34,120	3,027
18 Columbia Univ Main Div	134,329	0	761	8,128	30	175	7,191	660	109,580	6,295	0	1,509
19 Univ of Southern Cal	133,074	0	445	27,472	15,986	770	1,027	39	68,906	3,285	12,731	2,413
20 Duke University	128,098	464	221	4,493	466	0	3,861	1,915	105,862	557	10,095	164
Total 1st 20 institutions	3,767,780	56,796	8,917	323,889	342,586	28,464	186,687	19,533	2,157,784	196,567	422,181	24,376
21 University of Colorado	126,090	16	8,799	5,362	89	125	4,328	1,327	67,423	15,303	21,638	1,680
22 Washington University	125,282	0	35	1,543	113	0	1,548	120	112,243	3,147	6,533	0
23 Univ of NC at Chapel Hill	111,501	362	100	4,446	0	0	1,017	4,504	92,083	304	8,685	0
24 Univ of Ill Urbana	110,509	7,936	0	19,079	206	0	12,641	1,055	18,774	2,729	47,806	283
25 University of Rochester	103,510	140	0	5,204	2,010	170	17,370	0	70,549	1,464	6,603	0
26 University of Chicago	97,949	227	133	3,118	0	0	4,099	0	66,988	5,829	17,555	0
27 University of Arizona	95,206	4,261	201	5,016	2,237	388	1,895	772	50,468	14,152	13,731	2,085
28 Univ of Texas at Austin	95,063	276	0	16,929	25,960	0	13,807	702	13,556	6,474	14,142	3,217
29 Univ Alabama Birmingham	90,355	280	0	1,531	294	580	9,942	50	70,539	5,281	1,858	0
30 Case Western Reserve Univ	87,747	380	0	2,607	0	510	10,232	117	62,596	6,605	4,700	0
Total 1st 30 institutions	4,810,992	70,674	18,185	388,724	373,495	30,237	263,566	28,180	2,783,003	257,855	565,432	31,641
31 New York University	86,150	0	0	5,673	887	110	3,522	927	69,548	301	5,382	0
32 University of Iowa	85,113	499	235	2,897	0	124	692	427	66,246	8,536	5,439	18
33 Baylor Col of Medicine	82,849	8,617	103	660	0	884	951	192	69,917	696	829	0
34 Ohio State University	82,106	9,014	648	3,969	279	0	4,029	1,265	35,332	5,546	15,824	6,200
35 California Inst of Tech	80,585	0	91	14,071	0	0	9,922	292	14,938	10,997	28,304	1,970
36 Univ of Cal Davis	79,671	4,616	20	1,492	0	698	12,208	636	44,076	1,905	9,606	4,414
37 Univ of Mass	76,630	3,226	0	8,429	1,208	5,576	2,483	140	40,373	2,044	13,120	31
38 Vanderbilt University	76,437	65	0	5,243	0	143	707	75	65,434	2,590	2,087	93
39 Yeshiva University	72,115	0	0	235	0	156	0	0	71,441	0	283	0
40 Univ of MD College Park	72,115	4,548	2,715	12,862	1,643	0	7,596	1,353	5,978	16,624	18,189	607
Total 1st 40 institutions	5,604,763	101,259	21,997	444,255	377,312	37,928	305,676	33,487	3,266,286	307,094	684,495	44,974
41 University of Utah	70,877	40	82	3,248	294	86	4,760	162	49,174	722	10,514	1,795
42 Indiana University	69,205	29	0	1,079	0	275	2,971	213	45,597	735	17,942	364
43 University of Miami	68,511	0	2,349	5,952	46	179	224	353	48,905	2,082	8,421	0
44 LA State Univ System	68,379	7,036	878	2,028	0	0	24,663	1,787	26,071	857	4,661	398
45 Northwestern University	67,725	340	113	6,943	206	1,488	3,847	0	40,308	1,605	12,827	50
46 Boston University	67,153	0	90	2,333	3,477	2,071	2,183	99	47,098	1,431	8,322	49
47 University of Virginia	66,916	100	888	5,877	768	1,430	2,648	295	41,250	4,134	8,464	1,062
48 Purdue University	64,543	9,625	70	4,738	89	168	7,695	336	19,488	2,899	17,879	1,756
49 University of Florida	63,270	7,723	692	5,463	1,467	0	2,999	620	33,294	2,347	7,120	1,545
50 Michigan State University	62,793	13,598	54	2,353	110	1,596	3,615	186	18,576	757	20,704	1,244
Total 1st 50 institutions	6,274,135	139,750	27,213	484,269	383,769	45,219	361,281	37,538	3,636,047	324,663	781,149	53,237

See explanatory information, if any, and SOURCE at end of table.

Table 3. Federal obligations for science and engineering research and development to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1991

[Dollars in thousands]

Institution	Total	USDA	Com	DoD research 1/	DoD develop-ment 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
51 Emory University	57,385	270	0	768	0	0	424	0	53,818	270	1,835	0
52 Georgia Institute of Tech	56,008	0	425	22,816	11,917	0	1,507	2,951	3,609	4,710	7,794	279
53 U Tex SW Med Ctr - Dallas	55,878	0	0	125	0	0	139	0	53,939	1,316	359	0
54 Utah State University	53,430	2,636	0	11,061	31,560	170	1,099	252	3,369	936	1,801	546
55 Texas A & M University	52,367	10,764	975	4,994	423	81	4,392	958	10,793	4,284	14,247	456
56 University of Cincinnati	51,490	206	0	2,663	0	48	401	2,875	41,267	1,522	2,508	0
57 Oregon State University	51,297	10,187	2,387	5,744	0	0	1,499	2,734	7,896	2,440	13,686	4,724
58 Princeton University	51,233	0	7	8,819	0	0	6,053	620	14,280	3,996	17,150	308
59 Univ of Cal Irvine	50,950	210	0	6,972	0	0	3,929	121	31,415	1,476	6,827	0
60 Woods Hole Ocngrphic Inst	50,891	0	1,189	19,964	2,488	0	1,266	0	347	721	23,916	1,000
Total 1st 60 institutions	6,805,064	164,023	32,196	568,195	43,0157	45,518	381,990	48,049	3,856,780	346,334	871,272	60,550
61 SUNY at Stony Brook	50,403	0	0	433	0	0	3,681	95	30,337	1,760	14,097	0
62 Univ of Tennessee All Cmp	50,204	5,677	0	1,941	372	288	11,576	258	23,518	1,906	4,479	189
63 Carnegie-Mellon Univ	50,167	0	99	16,806	1,481	0	3,284	389	7,638	3,040	17,153	277
64 CUNY Mount Sinai Schl Med	50,037	0	0	0	0	641	176	0	48,356	355	509	0
65 Univ of MD Balt Prof Sch	48,125	35	0	728	0	0	0	343	46,290	0	729	0
66 Univ of Ill Chicago	46,517	87	0	1,405	195	143	755	247	35,283	277	5,965	2,160
67 Virginia Commonwlth Univ	46,324	0	0	316	0	660	216	112	44,129	452	439	0
68 Rutgers the St Univ of NJ	45,852	4,563	1,118	3,486	0	1,000	863	489	20,290	984	12,814	245
69 Florida State University	45,334	0	283	1,252	0	396	12,366	603	4,003	1,651	24,397	383
70 Univ of Cal Santa Barbara	44,255	313	335	8,986	3,632	0	3,676	457	5,219	3,784	17,380	473
Total 1st 70 institutions	7,282,282	174,698	34,031	603,548	435,837	48,646	418,583	51,042	4,121,843	360,543	969,234	64,277
71 N C State Univ at Raleigh	43,697	10,098	713	5,915	225	500	1,876	1,671	5,392	3,460	9,131	4,716
72 Colorado State University	43,671	6,094	1,707	4,483	0	120	1,301	820	17,192	1,763	8,558	1,633
73 Oregon Hlth Sciences Univ	43,481	0	0	623	0	0	12,428	0	29,969	0	461	0
74 New Mexico State Univ	42,903	3,271	76	1,911	11,290	0	358	160	2,029	20,938	2,594	276
75 University of Connecticut	42,860	1,681	1,842	1,812	0	1,838	798	523	29,560	272	4,372	162
76 Tufts University	41,571	11,838	0	289	0	128	897	3,530	22,548	50	2,285	6
77 Univ of Med & Dent of N J	41,465	250	0	480	0	200	319	545	38,591	274	806	0
78 University of Georgia	40,715	9,011	352	1,398	0	162	9,554	1,301	10,319	456	5,554	2,608
79 SUNY at Buffalo All Cmps	39,895	734	0	6,330	0	0	658	1,170	25,462	531	4,992	18
80 Rockefeller University	39,718	0	0	249	0	0	1,082	0	37,434	0	953	0
Total 1st 80 institutions	7,702,258	217,675	38,721	627,038	447,352	51,594	447,854	60,762	4,340,339	388,287	1,008,940	73,696
81 Univ of Hawaii-Manoa	38,814	4,903	0	1,778	0	0	1,522	0	9,991	5,793	12,689	2,138
82 Georgetown University	37,668	552	65	8,743	0	598	350	294	24,629	0	1,437	1,000
83 Univ of VT & St Agric Col	37,294	4,305	0	117	154	1,062	630	295	28,294	25	2,254	158
84 U Tex Hlth Sci Ctr S Anto	36,999	322	0	742	0	0	0	0	35,623	63	249	0
85 Lehigh University	36,265	66	203	26,310	127	0	1,817	111	696	278	6,597	60
86 Dartmouth College	36,042	251	0	2,369	0	0	920	0	29,164	970	2,310	58
87 Brown University	36,015	190	130	7,069	0	0	2,720	0	14,441	1,150	10,146	169
88 University of Kentucky	35,914	7,010	48	366	45	0	3,963	245	19,480	127	3,982	648
89 Wake Forest University	35,224	0	239	192	0	0	43	0	34,111	262	377	0
90 U TX MD Anderson Cncr Ctr	34,693	0	0	0	0	0	0	69	34,534	0	90	0
Total 1st 90 institutions	8,067,186	235,274	39,406	674,724	447,678	53,254	459,819	61,776	4,571,302	396,955	1,049,071	77,927

See explanatory information, if any, and SOURCE at end of table.

Table 3. Federal obligations for science and engineering research and development to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1991

[Dollars in thousands]

Institution	Total	USDA	Com	DoD research 1/	DoD development 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
91 Iowa State University	34,028	12,943	1,711	832	0	0	1,448	580	6,378	1,007	4,557	4,572
92 U Tex Hlth Sci Ctr Houstn	33,381	0	0	209	0	0	411	150	31,920	529	130	32
93 Wayne State University	33,280	0	0	429	74	0	266	0	29,469	187	2,805	50
94 University of New Mexico	32,446	0	0	4,457	7,093	762	1,691	190	12,660	824	4,683	86
95 VA Polytech Inst & St U	32,033	6,450	85	3,639	206	72	5,523	543	2,761	4,644	5,028	3,082
96 West Virginia University	29,914	4,576	0	391	0	0	14,430	1,241	4,720	161	1,796	2,599
97 University of Kansas	28,341	0	50	838	0	1,658	680	21	21,047	888	2,911	248
98 Univ of Nebraska-Lincoln	28,232	7,372	310	1,327	95	0	6,263	158	2,385	695	6,542	3,085
99 Univ of Missouri Columbia	26,537	7,754	0	319	0	0	1,333	436	13,508	74	3,038	75
100 Thomas Jefferson Univ	26,068	0	0	62	0	969	0	0	24,866	0	171	0
Total 1st 100 institutions	8,371,446	274,369	41,562	687,227	455,146	56,715	491,864	65,095	4,721,016	405,964	1,080,732	91,756

1/ In this table, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-affiliated laboratories that are separate from the academic departments.

2/ Includes Department of Transportation, Agency for International Development, Department of Housing and Urban Development, Department of Labor, Nuclear Regulatory Commission, and Department of the Interior

NOTE: Does not include R&D obligations to university-administered federally funded research and development centers.

KEY:
Com = Department of Commerce
DoD = Department of Defense
DOE = Department of Energy
Ed = Department of Education
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation
USDA = U.S. Department of Agriculture

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1991

Table 4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research 1/	DoD development 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
United States, total	10,014,322	408,784	61,854	840,457	482,639	92,098	605,064	104,324	5,301,122	533,728	1,438,636	145,616
Alabama, total	155,818	10,595	67	9,049	4,493	580	13,457	537	81,276	26,746	7,776	1,242
Alabama A & M University	5,411	2,089	0	634	496	0	0	0	50	1,004	1,000	138
Alabama State University	130	0	0	0	0	0	0	0	94	0	36	0
Auburn University	16,096	6,002	22	2,006	577	0	1,417	150	802	3,008	1,707	405
Chauncey Sparks St Tech	900	0	0	0	0	0	900	0	0	0	0	0
Gadsden State Cmty Col	297	0	0	0	0	0	0	0	0	0	0	297
Jacksonville State Univ	61	0	0	0	0	0	0	0	0	0	61	0
Talladega College	222	0	0	0	0	0	0	0	0	0	222	0
The University of Alabama	8,010	0	0	3,923	0	0	843	2	1,187	495	1,163	397
Tuskegee University	5,165	2,094	0	704	60	0	310	0	1,384	337	271	5
Univ of Alabama Sys Off	45	0	45	0	0	0	0	0	0	0	0	0
Univ of South Alabama	8,211	130	0	32	0	0	45	0	7,115	20	869	0
Univ Alabama Birmingham	90,355	260	0	1,531	294	580	9,942	50	70,539	5,281	1,858	0
Univ Alabama Huntsville	20,915	0	0	219	3,066	0	0	335	105	16,601	589	0
Alaska, total	25,446	1,278	1,012	1,506	0	0	962	475	1,120	6,508	9,675	2,910
Alaska Pacific University	40	0	0	40	0	0	0	0	0	0	0	0
Univ of Alaska Anchorage	932	62	19	60	0	0	0	0	675	0	0	116
Univ of Alaska Fairbanks	22,165	1,216	993	1,406	0	0	962	475	445	6,508	9,675	485
Univ of Alaska System Off	2,309	0	0	0	0	0	0	0	0	0	0	2,309
Arizona, total	126,362	4,786	226	8,480	2,362	1,448	4,915	952	55,862	16,838	27,079	3,414
Amer Grad Sch of Intl Man	45	0	0	0	0	45	0	0	0	0	0	0
Arizona State University	24,445	207	25	3,195	0	385	3,020	180	4,863	2,568	9,977	25
Maricopa Co C C Sys Off	400	0	0	0	0	0	0	0	0	0	400	0
Navajo Community College	424	0	0	0	0	0	0	0	0	0	424	0
Northern Arizona Univ	5,523	318	0	75	0	630	0	0	531	118	2,547	1,304
Univ & St Col of Ariz S O	319	0	0	194	125	0	0	0	0	0	0	0
University of Arizona	95,206	4,261	201	5,016	2,237	388	1,895	772	50,468	14,152	13,731	2,085
Arkansas, total	25,785	8,714	0	609	0	1,324	452	90	10,472	199	2,646	1,279
Arkansas College	16	0	0	0	0	0	0	0	0	16	0	0
Arkansas State University	14	0	0	0	0	0	0	0	14	0	0	0
Harding University	41	0	0	0	0	0	0	0	0	41	0	0
Ouachita Baptist Univ	56	0	0	56	0	0	0	0	0	0	0	0
Philander Smith College	6	5	0	0	0	0	0	0	0	0	0	1
U of Arkansas Med Sci Cam	9,834	0	0	0	0	0	0	0	9,579	0	255	0
Univ of Ark Fayetteville	12,783	7,172	0	453	0	1,324	352	90	476	107	1,924	885
Univ of Ark Little Rock	1,324	0	0	100	0	0	100	0	403	35	467	219
Univ of Ark Pine Bluff	1,545	1,490	0	0	0	0	0	0	0	0	0	55
Univ of Ark Sys Off	166	47	0	0	0	0	0	0	0	0	0	119
California, total	1,398,356	18,624	3,245	136,993	22,147	11,848	85,665	6,240	753,376	125,819	215,771	16,628
Cal Poly St U San Luis Ob	402	27	0	0	0	0	0	0	0	283	92	0
Cal St U - San Bernadino	19	0	0	0	0	0	0	0	0	0	19	0
Cal St U Dominguez Hills	1,324	0	0	0	0	0	0	0	0	0	1,324	0
Calif St Poly Univ Pomona	179	15	0	0	0	0	0	0	106	0	0	58
Calif St U Bakersfield	27	0	0	0	0	0	0	0	0	0	27	0
Calif St Univ & Col Sys O	26	0	26	0	0	0	0	0	0	0	0	0
Calif St Univ Fullerton	1,107	0	0	0	0	0	46	0	248	73	740	0
Calif St Univ Hayward	592	0	0	0	0	0	0	0	0	29	563	0
Calif St Univ Long Beach	1,937	0	0	165	0	0	0	100	884	110	678	0
Calif St Univ Los Angeles	2,567	0	0	0	0	0	0	0	722	24	1,821	0
Calif St Univ Northridge	989	0	0	0	0	0	62	0	263	10	654	0
Calif St Univ Sacramento	141	0	0	0	0	0	0	0	0	0	141	0
Calif State Univ Chico	28	0	0	0	0	0	0	0	0	0	28	0
Calif State Univ Fresno	284	8	0	0	0	0	0	0	97	179	0	0
California Inst of Tech	80,585	0	91	14,071	0	0	9,922	292	14,938	10,997	28,304	1,970
Charles R. Drew Med&Sci	3,987	0	0	0	0	0	0	0	3,987	0	0	0
Claremont Mckenna College	45	0	0	5	0	0	0	0	0	40	0	0
Foothill College	34	0	0	0	0	0	0	0	0	0	34	0
Foothill-Deanza CC Sys Of	114	0	0	0	0	0	0	0	0	114	0	0
Golden West College	55	0	0	0	0	0	0	0	0	0	55	0
Harvey Mudd College	210	0	0	32	0	0	0	0	104	0	74	0
Humboldt State University	627	291	0	0	0	0	0	0	0	82	0	254
Loma Linda University	3,140	0	0	0	0	0	0	0	2,811	0	313	16
Merritt College	163	0	0	0	0	0	0	0	163	0	0	0
Mills College	193	0	0	0	0	0	0	0	0	0	193	0

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Table 4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD re-search 1/	DoD devel-opment 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
California, cont'd												
Mount San Antonio College	50	0	0	0	0	0	0	0	0	0	50	0
Mount St Mary's College	49	0	0	0	0	0	0	0	0	0	49	0
Occidental College	1,329	0	0	103	0	0	0	0	188	0	1,038	0
Pepperdine University	56	0	0	0	0	0	0	0	0	0	56	0
Pitzer College	177	0	0	0	0	0	0	0	120	0	57	0
Point Loma College	106	0	0	0	0	0	0	0	79	0	27	0
Pomona College	343	0	0	0	0	0	0	0	90	0	253	0
San Diego City College	1,301	0	0	1,301	0	0	0	0	0	0	0	0
San Diego State Univ	13,506	23	54	78	0	0	1,501	100	7,801	487	3,357	105
San Francisco State Univ	2,842	118	0	325	0	80	95	0	936	227	1,021	40
San Jose City College	43	0	0	0	43	0	0	0	0	0	0	0
San Jose State University	5,114	0	140	100	0	0	60	0	324	2,467	2,011	12
Santa Clara University	581	0	0	0	0	0	0	0	0	159	422	0
Sonoma State University	111	0	0	0	0	0	0	0	0	111	0	0
St Mary's Col California	16	0	0	0	0	0	0	0	0	0	16	0
Stanford University	237,842	140	30	28,590	362	800	19,712	2,259	106,238	54,199	25,432	80
U of Cal Sys Wide Prgms	5,786	24	1,869	0	0	0	0	0	0	408	0	3,485
Univ of Cal Berkeley	136,020	10,128	120	10,105	1,081	6,618	4,408	839	46,044	19,530	34,120	3,027
Univ of Cal Davis	79,671	4,616	20	1,492	0	698	12,208	636	44,076	1,905	9,606	4,414
Univ of Cal Irvine	50,950	210	0	6,972	0	0	3,929	121	31,415	1,476	6,827	0
Univ of Cal Los Angeles	194,217	343	0	15,179	604	2,083	17,621	695	130,568	7,747	19,096	281
Univ of Cal Riverside	12,984	2,131	0	257	0	0	1,437	378	4,922	388	3,471	0
Univ of Cal San Diego	182,815	135	115	21,493	439	0	5,132	163	105,675	15,534	34,129	0
Univ of Cal San Francisco	178,698	0	0	1,212	0	0	3,393	161	170,710	919	2,303	0
Univ of Cal Santa Barbara	44,255	313	335	8,986	3,632	0	3,676	457	5,219	3,784	17,380	473
Univ of Cal Santa Cruz	15,541	102	0	1,019	0	799	1,436	0	4,392	1,012	6,781	0
Univ of San Francisco	692	0	0	36	0	0	0	0	194	240	222	0
Univ of Southern Cal	133,074	0	445	27,472	15,986	770	1,027	39	68,906	3,285	12,731	2,413
University of the Pacific	785	0	0	0	0	0	0	0	742	0	43	0
University of San Diego	593	0	0	0	0	0	0	0	414	0	179	0
Westmont College	34	0	0	0	0	0	0	0	0	0	34	0
Colorado, total	182,920	6,110	10,506	12,773	494	720	6,536	2,504	86,886	18,275	34,171	3,945
Adams State College	46	0	0	0	0	0	0	0	0	0	36	10
Colorado College	5	0	0	0	0	0	0	0	0	5	0	0
Colorado School of Mines	3,284	0	0	552	94	0	848	250	0	70	854	616
Colorado State University	43,671	6,094	1,707	4,483	0	120	1,301	820	17,192	1,763	8,558	1,633
Fort Lewis College	221	0	0	0	0	0	0	0	0	0	216	5
Front Range Comm College	1	0	0	0	0	0	0	0	0	0	0	1
Metropoltn St Coll Denver	168	0	0	0	0	0	0	0	0	0	168	0
St Thomas Seminary	717	0	0	717	0	0	0	0	0	0	0	0
Univ of Northern Colorado	1,834	0	0	0	0	475	0	0	87	0	1,272	0
Univ of Southern Colorado	509	0	0	0	0	0	0	0	0	509	0	0
University of Colorado	126,090	16	8,799	5,362	89	125	4,328	1,327	67,423	15,303	21,638	1,680
University of Denver	6,374	0	0	1,659	311	0	59	107	2,184	625	1,429	0
Connecticut, total	198,672	1,914	1,864	7,383	49	1,944	10,179	725	156,324	1,431	16,682	177
Central Conn State Univ	88	0	0	0	0	0	0	0	88	0	0	0
Connecticut College	74	0	0	0	0	0	0	0	62	0	12	0
Fairfield University	368	0	0	0	0	0	30	0	0	0	338	0
Southern Conn State Univ	124	0	0	0	0	106	0	0	0	0	18	0
Trinity College	135	0	0	0	0	0	0	0	0	0	135	0
University of Connecticut	42,860	1,681	1,842	1,812	0	1,838	798	523	29,560	272	4,372	162
University of Hartford	226	0	0	0	0	0	0	0	0	0	226	0
Wesleyan University	2,284	0	0	49	0	0	0	30	885	0	1,320	0
Yale University	152,513	233	22	5,522	49	0	9,351	172	125,729	1,159	10,261	15
Delaware, total	19,688	2,148	715	2,951	0	1,398	760	371	3,860	1,420	5,828	237
Delaware State College	647	549	0	98	0	0	0	0	0	0	0	0
University of Delaware	19,041	1,599	715	2,853	0	1,398	760	371	3,860	1,420	5,828	237
District of Columbia, total	91,879	1,216	360	13,899	163	7,328	1,367	725	47,027	6,362	12,287	1,145
American University	1,466	0	0	311	0	0	0	0	476	83	596	0
Catholic Univ of America	4,590	100	175	1,962	83	0	287	50	592	772	569	0
Corcoran School of Art	31	0	0	0	0	0	0	0	0	31	0	0
Gallaudet University	3,974	0	0	0	0	3,100	0	0	338	15	521	0
George Washington Univ	22,824	0	103	1,538	80	730	687	233	15,296	3,128	989	40
Georgetown University	37,668	552	65	8,743	0	598	350	294	24,629	0	1,437	1,000
Howard University	19,124	80	17	1,022	0	2,900	43	148	5,696	1,559	7,659	0
University of D C	2,202	484	0	323	0	0	0	0	0	774	516	105

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Table 4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD re-search 1/	DoD devel-opment 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Florida, total	217,377	9,593	3,955	20,123	6,968	1,293	15,840	2,657	97,913	9,100	46,727	3,208
Bethune Cookman College	80	0	0	0	0	0	0	0	0	75	5	0
Eckerd College	145	0	0	0	0	0	0	0	0	0	145	0
Embry-Riddle Aero Univ	574	0	41	0	0	0	0	0	0	0	329	204
Florida A & M University	10,121	1,714	0	1,772	4,278	48	23	0	1,248	377	636	25
Florida Atlantic Univ	2,980	10	5	1,086	33	0	69	0	774	315	688	0
Florida Inst of Tech	1,711	0	0	306	0	0	0	207	816	152	230	0
Florida International U	2,490	0	0	432	38	0	0	290	727	65	794	144
Florida State University	45,334	0	283	1,252	0	396	12,366	603	4,003	1,651	24,397	383
Nova University	1,428	0	44	188	0	0	0	0	216	0	980	0
State Univ Sys of Fla Off	94	66	28	0	0	0	0	0	0	0	0	0
Univ of Central Florida	6,201	0	0	2,520	634	0	0	19	370	1,183	1,475	0
Univ of South Florida	13,688	80	423	1,152	472	670	159	58	7,457	853	1,457	907
Univ of West Florida	750	0	90	0	0	0	0	507	103	0	50	0
University of Florida	63,270	7,723	692	5,463	1,467	0	2,999	620	33,294	2,347	7,120	1,545
University of Miami	68,511	0	2,349	5,952	46	179	224	353	48,905	2,082	8,421	0
Georgia, total	194,164	10,951	783	27,197	14,551	250	16,927	6,898	87,127	5,755	20,734	2,991
Abraham Baldwin Agric Col	42	0	0	0	0	0	42	0	0	0	0	0
Atlanta University Center	1,762	0	0	0	0	0	1,762	0	0	0	0	0
Clark Atlanta University	9,315	26	0	1,785	290	0	516	2,000	1,370	75	3,167	86
Emory University	57,385	270	0	768	0	0	424	0	53,818	270	1,835	0
Fort Valley State College	1,897	1,644	0	0	0	0	203	0	0	0	50	0
Georgia Institute of Tech	56,008	0	425	22,816	11,917	0	1,507	2,951	3,609	4,710	7,794	279
Georgia Southern Univ	600	0	0	0	0	0	0	0	581	19	0	0
Georgia Southwestern Col	21	0	0	0	0	0	0	0	0	0	21	0
Georgia State University	5,374	0	0	137	0	0	222	198	3,324	225	1,268	0
Inst of Paper Sci & Tech	598	0	0	0	0	0	598	0	0	0	0	0
Kennesaw College	100	0	0	0	0	0	0	0	0	0	100	0
Medical Col of Georgia	8,064	0	0	15	0	0	0	0	7,994	0	55	0
Mercer University	2,663	0	0	0	2,248	0	0	0	242	0	173	0
Morehouse College	778	0	0	130	0	0	0	108	214	0	326	0
Morehouse School of Med	6,051	0	0	0	0	0	0	340	5,656	0	55	0
Morris Brown College	244	0	0	148	96	0	0	0	0	0	0	0
Savannah State College	6	0	6	0	0	0	0	0	0	0	0	0
Southern College of Tech	16	0	0	0	0	0	0	0	0	0	16	0
Spelman College	320	0	0	0	0	0	0	0	0	0	320	0
Univ System of Georgia	2,117	0	0	0	0	0	2,099	0	0	0	0	18
University of Georgia	40,715	9,011	352	1,398	0	162	9,554	1,301	10,319	456	5,554	2,608
Valdosta State College	88	0	0	0	0	88	0	0	0	0	0	0
Hawaii, total	47,291	4,998	3,154	4,825	1,510	0	1,527	0	10,016	5,793	12,689	2,779
Univ of Hawaii - W. Oahu	95	95	0	0	0	0	0	0	0	0	0	0
Univ of Hawaii Sys Off	8,382	0	3,154	3,047	1,510	0	5	0	25	0	0	641
Univ of Hawaii-Manoa	38,814	4,903	0	1,778	0	0	1,522	0	9,991	5,793	12,689	2,138
Idaho, total	12,718	5,348	0	378	0	0	991	134	845	1,554	2,002	1,466
Boise State University	329	30	0	127	0	0	0	0	0	0	150	22
Idaho State University	1,325	19	0	0	0	0	772	0	492	0	41	1
University of Idaho	11,064	5,299	0	251	0	0	219	134	353	1,554	1,811	1,443
Illinois, total	362,285	9,739	1,180	32,599	793	3,553	23,328	1,704	182,514	10,491	93,056	3,328
Augustana College	30	0	0	0	0	0	0	0	0	0	30	0
Bradley University	45	0	0	0	0	0	0	0	0	0	45	0
Chicago Col of Osteo Med	170	0	0	0	0	0	0	0	170	0	0	0
City Colleges of Chicago	231	0	0	0	0	0	99	0	0	0	132	0
Columbia College	361	0	0	96	0	0	0	0	0	0	265	0
De Paul University	556	0	0	0	0	13	0	0	489	0	54	0
Eastern Illinois Univ	44	0	0	0	0	0	0	0	0	0	44	0
Illinois Inst of Tech	5,723	0	0	1,304	186	0	0	402	3,035	0	796	0
Illinois State University	2,057	189	0	0	0	0	0	0	724	0	1,144	0
Joliet Jr College	73	0	0	0	0	0	0	0	0	0	73	0
Knox College	375	0	0	0	0	0	0	0	159	0	216	0
Lake Forest College	568	0	0	0	0	0	0	0	0	0	568	0
Lewis and Clark Cmty Col	120	0	0	0	0	0	0	0	0	0	120	0
Loyola Univ - Chicago	9,391	0	0	287	0	0	0	0	7,104	0	2,000	0
Northern Illinois Univ	3,616	25	0	168	0	783	222	0	1,124	0	1,079	215
Northwestern University	67,725	340	113	6,943	206	1,486	3,847	0	40,308	1,605	12,827	50
Parkland College	48	0	0	0	0	0	0	0	0	0	48	0
Rush University	1,080	0	0	0	0	0	0	0	1,080	0	0	0
S Illinois U Edwardsville	896	0	0	0	0	0	0	0	96	0	684	116
Southern Ill U-Carbondale	6,451	836	0	199	0	125	0	0	3,780	51	1,205	255
Southrn Ill Univ Sys Off	340	28	0	0	0	0	309	0	0	0	0	3
Triton College	80	0	0	0	0	0	0	0	0	0	80	0

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[Dollars in thousands]

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Illinois, cont'd												
U Hlth Sci/Chcgo Med Sch	3,573	0	0	0	0	0	0	0	3,400	0	173	0
Univ of Ill Chicago	46,517	87	0	1,405	195	143	755	247	35,283	277	5,965	2,160
Univ of Ill Urbana	110,509	7,936	0	19,079	206	0	12,641	1,055	18,774	2,729	47,806	283
Univ of Illinois Sys Off	3,555	16	934	0	0	1,003	1,356	0	0	0	0	246
University of Chicago	97,949	227	133	3,118	0	0	4,099	0	66,988	5,829	17,555	0
Western Illinois Univ	202	55	0	0	0	0	0	0	0	0	147	0
Indiana, total	155,882	9,688	100	7,146	89	514	19,107	1,084	69,469	4,127	42,434	2,124
Ball State University	1,800	34	0	0	0	0	0	0	401	0	1,361	4
Butler University	335	0	0	28	0	0	0	250	0	0	57	0
De Pauw University	50	0	0	0	0	0	0	0	0	50	0	0
Indiana State University	4,995	0	0	0	0	0	4,814	0	95	86	0	0
Indiana University	69,205	29	0	1,079	0	275	2,971	213	45,597	735	17,942	364
Martin Center College	672	0	0	0	0	0	0	0	672	0	0	0
Purdue University	64,543	9,625	70	4,738	89	168	7,695	336	19,488	2,899	17,879	1,756
Rose-Hulman Inst of Tech	141	0	0	0	0	0	0	0	0	0	141	0
St Mary's College	119	0	0	0	0	0	0	0	0	12	107	0
University of Evansville	25	0	0	0	0	0	0	0	0	25	0	0
University of Notre Dame	13,767	0	30	1,301	0	71	3,473	285	3,216	314	5,077	0
Valparaiso University	230	0	0	0	0	0	154	0	0	6	70	0
Iowa, total	124,814	13,547	1,946	3,729	0	124	6,117	1,007	72,937	9,543	11,274	4,590
Briar Cliff College	21	0	0	0	0	0	0	0	21	0	0	0
Coe College	25	0	0	0	0	0	0	0	0	0	25	0
Dordt College	13	0	0	0	0	0	0	0	0	0	13	0
Drake University	33	0	0	0	0	0	0	0	0	0	33	0
Grinnell College	113	0	0	0	0	0	0	0	0	0	113	0
Iowa State University	34,028	12,943	1,711	832	0	0	1,448	580	6,378	1,007	4,557	4,572
Luther College	118	0	0	0	0	0	0	0	16	0	102	0
Maharishi Intl University	342	0	0	0	0	0	0	0	251	0	91	0
Southwestern Cmty College	25	0	0	0	0	0	0	0	25	0	0	0
Univ of Northern Iowa	4,983	105	0	0	0	0	3,977	0	0	0	901	0
University of Iowa	85,113	499	235	2,897	0	124	692	427	66,246	8,536	5,439	18
Kansas, total	50,894	5,426	50	1,186	0	1,658	7,050	2,187	23,057	1,977	6,331	1,972
Bethel College	23	0	0	0	0	0	0	0	23	0	0	0
Fort Hays St Univ	3,976	0	0	0	0	0	3,976	0	0	0	0	0
Kans St U - Ag & App Sci	16,425	5,426	0	224	0	0	2,394	2,166	1,880	993	3,135	207
Pittsburg State Univ	126	0	0	0	0	0	0	0	0	0	126	0
University of Kansas	28,341	0	50	838	0	1,658	680	21	21,047	888	2,911	248
Wichita State University	2,003	0	0	124	0	0	0	0	107	96	159	1,517
Kentucky, total	46,190	9,325	97	1,471	45	0	4,128	317	25,317	634	5,208	648
Berea College	63	0	0	0	0	0	0	0	0	0	63	0
Centre College	22	0	0	0	0	0	0	0	0	22	0	0
Eastern Kentucky Univ	169	0	0	0	0	0	0	0	143	0	26	0
Kentucky State University	2,364	2,315	49	0	0	0	0	0	0	0	0	0
Murray State University	238	0	0	35	0	0	0	0	193	0	10	0
Northern Kentucky Univ	238	0	0	0	0	0	0	10	0	0	228	0
University of Kentucky	35,914	7,010	48	366	45	0	3,963	245	19,480	127	3,982	648
University of Louisville	6,699	0	0	70	0	0	165	62	5,286	485	631	0
Western Kentucky Univ	483	0	0	0	0	0	0	0	215	0	268	0
Louisiana, total	101,680	8,764	878	2,872	0	0	25,624	2,340	51,848	1,049	7,399	906
Dillard University	24	24	0	0	0	0	0	0	0	0	0	0
Grambling State Univ	269	0	0	0	0	0	133	0	0	0	136	0
Louisiana Tech University	1,072	153	0	64	0	0	746	0	0	0	60	49
LA St Univ System Office	399	0	0	0	0	0	0	0	0	0	0	399
LA State Univ System	68,379	7,036	878	2,028	0	0	24,663	1,787	26,071	857	4,661	398
McNeese State University	61	0	0	0	0	0	0	0	0	0	61	0
Northeast Louisiana Univ	596	0	0	0	0	0	0	0	0	13	583	0
Northwest State Univer	35	0	0	0	0	0	0	0	0	35	0	0
Southeastern LA Univ	56	10	0	0	0	0	0	0	25	0	21	0
Southern U & A&M College	2,599	1,461	0	184	0	0	12	400	0	0	513	29
Tulane University	24,276	40	0	189	0	0	70	153	22,546	144	1,134	0
Univ of Southwestern LA	2,093	40	0	95	0	0	0	0	1,697	0	230	31
Xavier University of LA	1,821	0	0	312	0	0	0	0	1,509	0	0	0

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Table 4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research 1/	DoD development 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Maine, total	9,740	3,519	250	252	0	754	140	570	1,082	308	2,409	456
Bates College	280	0	0	0	0	0	0	0	109	0	171	0
Bowdoin College	288	0	0	0	0	0	0	0	0	50	238	0
Colby College	183	0	0	0	0	0	0	0	118	0	65	0
College of the Atlantic	4	0	0	0	0	0	0	0	0	0	0	4
Univ of Maine Augusta	63	0	0	0	0	0	63	0	0	0	0	0
Univ of Maine Orono	6,859	3,081	0	224	0	94	77	570	478	258	1,788	289
Univ of Maine System Off	1,185	438	250	0	0	360	0	0	0	0	0	137
Univ Maine, Presque Isle	38	0	0	28	0	0	0	0	0	0	10	0
University of New England	64	0	0	0	0	0	0	0	64	0	0	0
University of Sthrn Maine	776	0	0	0	0	300	0	0	313	0	137	26
Maryland, total	622,221	6,410	3,033	20,372	264,813	1,879	12,598	2,884	252,414	22,880	33,977	961
Allegany Community Col	89	0	0	0	0	0	0	0	0	0	89	0
Bowie State University	175	0	0	0	79	0	0	0	0	0	96	0
Charles County Cmty Col	10	0	0	0	0	0	0	0	0	10	0	0
Col of Notre Dame of MD	116	0	0	0	0	0	0	0	0	0	116	0
Columbia Union College	115	0	0	0	0	0	0	0	0	0	115	0
Coppin State College	25	0	0	0	0	0	0	0	25	0	0	0
Johns Hopkins University	490,893	365	318	6,421	263,091	1,879	4,825	820	197,220	5,639	10,080	235
Loyola College	522	0	0	3	0	0	0	0	0	0	519	0
Morgan State University	603	0	0	31	0	0	0	80	0	292	200	0
Prince Georges Cmty Col	48	0	0	0	0	0	0	0	0	0	48	0
Salisbury State College	98	0	0	0	0	0	0	0	0	0	98	0
St Mary's College of MD	165	0	0	0	0	0	0	0	0	0	165	0
Towson State University	340	0	0	0	0	0	0	0	0	0	340	0
U of MD Baltimore County	5,101	165	0	175	0	0	57	0	2,572	315	1,713	104
U of MD Center for Ees	1,511	0	0	0	0	0	0	288	0	0	1,223	0
U of MD Eastern Shore	1,560	1,273	0	0	0	0	0	0	96	0	191	0
U of MD University Coll	152	0	0	152	0	0	0	0	0	0	0	0
Univ of Maryland Sys Off	392	24	0	0	0	0	120	0	233	0	0	15
Univ of MD Balt Prof Sch	48,125	35	0	728	0	0	0	343	46,290	0	729	0
Univ of MD College Park	72,115	4,548	2,715	12,862	1,643	0	7,596	1,353	5,978	16,624	18,189	607
Washington College	34	0	0	0	0	0	0	0	0	0	34	0
Western Maryland College	32	0	0	0	0	0	0	0	0	0	32	0
Massachusetts, total	698,515	17,216	2,768	98,468	10,352	9,461	73,528	6,619	311,822	37,658	123,035	7,588
Amherst College	618	0	0	0	0	0	0	0	351	0	267	0
Babson College	42	0	0	0	0	0	0	0	0	0	42	0
Bentley College	57	0	0	0	0	0	0	0	0	0	57	0
Boston College	16,698	0	0	3,459	0	0	10,209	104	1,792	171	818	145
Boston University	67,153	0	90	2,333	3,477	2,071	2,183	99	47,098	1,431	8,322	49
Brandeis University	19,672	270	0	164	0	66	861	0	14,150	484	3,677	0
Bridgewater State College	536	0	0	0	0	0	0	0	0	0	536	0
Clark University	1,812	0	0	277	0	0	87	177	227	0	544	500
Col of the Holy Cross	51	0	0	0	0	0	0	0	0	0	51	0
Emerson College	149	0	0	0	0	0	0	0	149	0	0	0
Endicott College	81	0	0	0	0	0	0	0	81	0	0	0
Hampshire College	292	0	0	0	0	0	0	0	99	0	193	0
Harvard University	161,719	344	0	4,663	916	500	5,459	1,529	121,506	7,311	18,190	1,301
Hellenic Col Holy Cross	88	0	0	0	0	0	0	0	88	0	0	0
Lesley College	832	0	0	0	0	432	0	0	0	0	400	0
Mass Inst of Technology	232,619	450	1,156	54,707	372	659	48,253	600	56,465	24,796	40,939	4,222
Mass State Col Sys Off	442	0	0	0	0	0	442	0	0	0	0	0
Merrimack College	8	0	0	0	0	0	0	0	0	0	8	0
Mount Holyoke College	895	0	0	0	0	29	110	0	42	48	666	0
Mount Wachusett Cmty Col	1	0	0	0	0	0	0	0	0	0	0	1
N E Col of Optometry	112	0	0	0	0	0	0	0	112	0	0	0
Northeastern University	12,154	200	0	1,934	111	0	588	100	4,273	65	4,883	0
Radcliffe College	712	0	0	524	0	0	0	0	188	0	0	0
Salem State College	25	0	0	0	0	0	0	0	25	0	0	0
Simmons College	793	0	0	0	0	0	0	0	318	0	475	0
Simon's Rock	25	0	0	0	0	0	0	0	25	0	0	0
Smith College	267	0	0	0	0	0	0	0	223	44	0	0
Tufts University	41,571	11,838	0	289	0	128	897	3,530	22,548	50	2,285	6
Univ of Mass	76,630	3,226	0	8,429	1,208	5,576	2,483	140	40,373	2,044	13,120	31

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[Dollars in thousands]

State and institution	Total	USDA	Com	DoD re-search 1/	DoD devel-opment 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Massachusetts, cont'd												
Univ of Mass Dartmouth	901	718	0	0	0	0	0	0	0	0	183	0
Univ of Mass Lowell	4,173	0	0	1,219	733	0	353	145	297	191	1,235	0
Univ of Mass System Off	836	170	333	0	0	0	0	0	0	0	0	333
Wellesley College	1,235	0	0	93	0	0	0	0	568	77	497	0
Wentworth Inst of Tech	1,017	0	0	0	919	0	0	0	0	0	98	0
Western New England Col	56	0	0	0	0	0	0	0	0	0	56	0
Williams College	1,161	0	0	83	0	0	0	0	257	52	769	0
Woods Hole Ocngrphic Inst	50,891	0	1,189	19,964	2,488	0	1,266	0	347	721	23,916	1,000
Worcester Poly Institute	2,191	0	0	330	128	0	337	195	220	173	808	0
Michigan, total	313,736	14,424	1,324	20,233	1,301	3,463	12,756	2,798	176,936	22,723	54,577	3,203
Albion College	14	0	0	0	0	0	0	0	0	0	14	0
Alma College	39	0	0	0	0	0	0	0	0	0	39	0
Andrews University	92	0	0	0	0	0	0	0	0	0	92	0
Calvin College	237	0	0	32	0	0	0	0	0	0	205	0
Central Michigan Univ	38	3	0	0	0	0	0	0	0	0	35	0
Eastern Michigan Univ	638	0	0	0	0	35	0	0	503	0	100	0
Grand Valley State Univ	297	0	0	0	0	0	0	0	0	0	297	0
GMI Engr/Management Inst	106	0	0	0	0	0	0	0	0	0	106	0
Hope College	591	0	0	0	0	0	0	0	100	0	491	0
Kalamazoo College	175	0	0	0	0	0	0	0	131	0	44	0
Lawrence Technical Univ	58	0	0	0	0	0	0	0	0	0	58	0
Madonna College	155	0	0	0	0	0	0	0	0	0	155	0
Michigan State University	62,793	13,598	54	2,353	110	1,596	3,615	186	18,576	757	20,704	1,244
Michigan Tech University	5,708	299	0	1,534	924	0	349	121	198	195	1,654	434
Northern Michigan Univ	2	2	0	0	0	0	0	0	0	0	0	0
Oakland Community College	48	0	0	0	0	0	48	0	0	0	0	0
Oakland University	2,598	0	0	66	0	0	0	0	2,135	0	397	0
Saginaw Valley State Col	10,100	0	0	0	0	0	0	0	0	10,100	0	0
University of Detroit	203	0	0	76	0	0	0	0	0	0	127	0
University of Michigan	193,954	522	1,267	15,597	193	832	8,284	2,252	125,422	11,282	26,828	1,475
Wayne State University	33,280	0	0	429	74	0	266	0	29,469	187	2,805	50
Western Michigan Univ	2,610	0	3	146	0	1,000	194	237	402	202	426	0
Minnesota, total	173,099	9,033	597	11,193	141	9,292	5,473	1,560	104,880	3,354	26,324	1,252
Augsburg College	184	0	0	0	0	0	0	0	0	40	144	0
Bethel College & Seminary	6	0	0	0	0	0	0	0	0	0	6	0
Carleton College	521	90	0	0	0	0	0	0	155	27	249	0
Gustavus Adolphus College	27	0	0	0	0	0	0	0	0	0	27	0
Macalester College	424	0	0	0	0	0	0	0	0	0	424	0
Mankato State University	709	0	0	0	0	0	0	0	158	45	506	0
Moorhead State University	25	0	0	0	0	0	0	0	0	0	25	0
Southwest State Univ	69	0	0	0	0	0	0	0	0	0	69	0
St Cloud State University	286	0	71	0	0	50	0	0	0	0	165	0
St John's University	92	0	0	0	0	0	0	0	92	0	0	0
St Olaf College	550	0	0	0	0	0	0	0	0	0	550	0
St U Sys of Minn-Sys Off	1,058	0	0	0	0	0	0	0	750	0	308	0
Univ of Saint Thomas	157	0	0	0	0	0	0	0	0	0	157	0
University of Minnesota	168,962	8,943	526	11,193	141	9,242	5,473	1,560	103,725	3,242	23,665	1,252
Winona State University	29	0	0	0	0	0	0	0	0	0	29	0
Mississippi, total	42,970	12,181	655	2,559	0	1,067	8,700	524	8,340	1,172	5,975	1,797
Alcorn State University	1,819	1,819	0	0	0	0	0	0	0	0	0	0
Delta State University	53	53	0	0	0	0	0	0	0	0	0	0
Jackson State University	3,184	3	25	303	0	0	1,665	0	205	222	567	194
Miss-Ala Sea Grant Cnsrtm	915	0	413	0	0	0	0	0	0	0	502	0
Mississippi State Univ	21,115	8,497	0	469	0	757	6,727	0	575	910	2,988	192
Rust College	50	0	0	50	0	0	0	0	0	0	0	0
Univ of Sthrn Mississippi	3,283	433	217	972	0	0	0	110	230	0	1,321	0
University of Mississippi	12,551	1,376	0	765	0	310	308	414	7,330	40	597	1,411

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Missouri, total	181,893	10,283	129	3,016	113	321	3,390	556	144,337	3,706	13,739	2,303
Avila College	62	0	0	0	0	0	0	0	10	0	50	2
Central Missouri St Univ	25	0	0	0	0	0	0	0	25	0	0	0
Drury College	10	0	0	0	0	0	0	0	0	0	10	0
Harris Stowe State Col	2	0	0	0	0	0	0	0	0	0	0	2
Kirksville Col Osteo Med	350	0	0	0	0	0	0	0	350	0	0	0
Lincoln University (MO)	1,909	1,903	0	0	0	0	0	0	0	0	0	6
Northeast Missouri St U	68	68	0	0	0	0	0	0	0	0	0	0
Southeast Missouri St U	3	0	0	0	0	0	0	0	0	0	3	0
Southwest Missouri St U	411	0	0	0	0	38	0	0	95	0	211	67
St Louis University	15,068	0	0	108	0	0	0	0	13,549	63	647	701
Univ of Missouri Columbia	26,537	7,754	0	319	0	0	1,333	436	13,508	74	3,038	75
Univ of Missouri Kan City	4,206	0	0	75	0	182	123	0	3,577	0	247	2
Univ of Missouri Rolla	4,602	0	0	632	0	0	386	0	197	340	1,849	1,198
Univ of Missouri St Louis	2,690	480	0	339	0	0	0	0	622	82	1,151	16
Univ of Missouri Sys Off	657	78	94	0	0	101	0	0	150	0	0	234
Washington University	125,282	0	35	1,543	113	0	1,548	120	112,243	3,147	6,533	0
William Woods College	11	0	0	0	0	0	0	0	11	0	0	0
Montana, total	16,216	4,322	0	179	0	669	256	1,001	2,240	468	6,539	542
Blackfeet Community Col	315	0	0	0	0	0	0	0	0	0	315	0
Dull Knife Memorial Col	165	0	0	0	0	165	0	0	0	0	0	0
Eastern Montana College	12	0	0	0	0	0	0	0	0	0	0	12
Little Big Horn College	146	0	0	0	0	146	0	0	0	0	0	0
Mont Col Minrl Sci & Tech	415	0	0	0	0	0	0	211	0	0	56	148
Montana State University	11,518	3,590	0	179	0	81	156	663	1,275	173	5,222	179
Salish Kootenai Cmty Col	194	0	0	0	0	194	0	0	0	0	0	0
University of Montana	3,451	732	0	0	0	83	100	127	965	295	946	203
Nebraska, total	42,824	7,618	310	1,420	95	0	6,528	158	15,513	695	7,316	3,171
College of St Mary	2	0	0	0	0	0	0	0	0	0	0	2
Creighton University	3,329	0	0	93	0	0	65	0	3,171	0	0	0
Nebraska Wesleyan Univ	150	0	0	0	0	0	0	0	0	0	150	0
Peru State College	31	0	0	0	0	0	0	0	31	0	0	0
U of Neb Med Ctr at Omaha	9,814	0	0	0	0	0	0	0	9,704	0	110	0
U Neb Ctrl Admin Sys Off	303	246	0	0	0	0	0	0	0	0	0	57
Univ of Nebraska-Kearney	380	0	0	0	0	0	0	0	0	0	380	0
Univ of Nebraska-Lincoln	28,232	7,372	310	1,327	95	0	6,263	158	2,385	695	6,542	3,085
Univ of Nebraska-Omaha	583	0	0	0	0	0	200	0	222	0	134	27
Nevada, total	18,611	1,761	611	127	0	0	1,468	5,024	3,876	423	3,279	2,042
Desert Research Institute	2,370	49	379	36	0	0	135	685	0	171	915	0
U of Nev Sys Adm Sys Off	1,590	0	232	0	0	0	0	0	0	0	653	705
Univ of Nevada - Reno	10,667	1,712	0	91	0	0	1,233	856	3,876	250	1,451	1,198
Univ of Nevada Las Vegas	3,984	0	0	0	0	0	100	3,483	0	2	260	139
New Hampshire, total	55,501	2,005	691	2,839	0	0	1,496	867	31,301	8,853	6,969	480
Dartmouth College	36,042	251	0	2,369	0	0	920	0	29,164	970	2,310	58
Keene State College	6	0	0	0	0	0	0	0	0	0	0	6
St Anselm College	16	0	0	0	0	0	0	0	16	0	0	0
Univ of New Hampshire	19,161	1,754	691	470	0	0	576	867	1,845	7,883	4,659	416
Univ Sys of N Hamp Sys Of	276	0	0	0	0	0	0	0	276	0	0	0
New Jersey, total	150,569	4,848	1,125	20,491	96	1,200	7,400	3,403	73,585	5,410	32,349	662
Drew University	136	0	0	0	0	0	0	0	106	0	30	0
Kean Col of New Jersey	10	0	0	0	0	0	0	0	0	0	10	0
Middlesex County College	25	0	0	0	0	0	0	25	0	0	0	0
Monmouth College (NJ)	3	0	0	0	0	0	0	0	0	0	3	0
N J Inst of Technology	3,150	0	0	337	0	0	165	1,673	0	31	835	109
Princeton Theol Sem	125	0	0	125	0	0	0	0	0	0	0	0
Princeton University	51,233	0	7	8,819	0	0	6,053	620	14,280	3,996	17,150	308
Rider College	63	0	0	0	0	0	0	0	0	63	0	0
Rutgers the St Univ of NJ	45,852	4,563	1,118	3,486	0	1,000	863	489	20,290	984	12,814	245
Seton Hall University	318	0	0	0	0	0	0	0	318	0	0	0
Stevens Institute of Tech	8,031	0	0	7,244	96	0	0	31	0	62	598	0
Trenton State College	18	0	0	0	0	0	0	0	0	0	18	0
Union Cnty Tech Institute	77	0	0	0	0	0	0	0	0	0	77	0
Univ of Med & Dent of N J	41,465	250	0	480	0	200	319	545	38,591	274	806	0
Upsala College	20	0	0	0	0	0	0	20	0	0	0	0
William Paterson College	43	35	0	0	0	0	0	0	0	0	8	0

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research 1/	DoD development 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
New Mexico, total	80,720	3,276	76	8,900	18,295	782	3,230	710	14,744	21,901	8,279	547
Eastern New Mexico Univ	139	0	0	110	0	0	0	0	0	0	29	0
N Mex Inst Mining & Tech	4,836	0	0	2,422	-88	0	1,181	360	0	97	716	148
New Mexico Highlands Univ	325	0	0	0	0	0	0	0	55	42	228	0
New Mexico State Univ	42,903	3,271	76	1,911	11,290	0	358	160	2,029	20,938	2,594	276
San Juan College	37	0	0	0	0	0	0	0	0	0	0	37
Santa Fe Community Col	5	5	0	0	0	0	0	0	0	0	0	0
University of New Mexico	32,446	0	0	4,457	7,093	762	1,691	190	12,660	824	4,683	86
Western New Mexico Univ	29	0	0	0	0	0	0	0	0	0	29	0
New York, total	917,093	14,827	2,283	57,240	3,704	5,387	46,159	4,954	607,557	22,453	148,946	3,583
Adelphi University	100	0	0	0	0	0	0	0	100	0	0	0
Albany Medical College	6,689	0	0	0	0	0	0	0	6,689	0	0	0
Alfred University	349	0	0	109	0	0	49	0	0	0	191	0
Bank Street Col of Ed	1,736	0	0	0	0	1,200	0	0	0	0	536	0
Barnard College	675	0	0	15	0	0	0	0	521	0	139	0
Canisius College	319	0	0	0	0	0	0	0	96	0	223	0
Clarkson University	5,497	0	64	1,431	0	0	899	45	202	1,601	1,455	0
Colgate University	711	0	0	0	0	0	0	0	158	0	553	0
College of New Rochelle	394	0	0	0	0	0	0	0	0	0	394	0
Columbia U Teachers Col	758	0	0	33	0	76	0	0	0	0	649	0
Columbia Univ Main Div	134,329	0	761	8,128	30	175	7,191	660	109,580	6,295	0	1,509
Columbia Univ Sys Off	35,282	0	0	0	0	0	0	0	618	0	34,532	132
Cornell University	156,151	12,465	307	16,894	0	0	4,921	752	68,705	5,263	46,650	194
CUNY Bernard Baruch Col	40	10	0	0	0	0	0	0	0	0	30	0
CUNY Brooklyn College	1,257	0	0	0	0	0	0	0	463	50	744	0
CUNY Central Sys Off	2,520	0	0	0	0	0	461	0	250	132	682	995
CUNY City College	10,806	0	0	415	0	0	344	0	4,133	272	5,592	50
CUNY Col Staten Island	434	0	0	0	0	0	33	0	134	0	267	0
CUNY Grad Sch & Univ Ctr	3,844	0	0	1,601	0	0	0	0	1,922	0	321	0
CUNY H.H. Lehman Coll	1,021	0	0	0	0	0	0	0	119	0	902	0
CUNY Hunter College	4,810	0	0	179	0	0	40	0	4,068	0	523	0
CUNY Jhn Jay Col Crim Jus	138	0	0	0	0	0	0	0	138	0	0	0
CUNY Mount Sinai Schl Med	50,037	0	0	0	0	641	176	0	48,356	355	509	0
CUNY NY City Tech Col	111	0	0	0	0	0	0	0	0	0	111	0
CUNY Queens College	2,044	0	0	28	0	0	257	0	1,226	0	533	0
CUNY York College	30	0	0	0	0	0	0	0	0	0	30	0
Fordham University	1,383	0	0	0	0	99	0	0	992	0	292	0
Hamilton College	288	0	0	0	0	0	0	0	0	0	288	0
Hartwick College	138	0	0	0	0	0	0	0	79	0	59	0
Hofstra University	284	0	0	10	0	0	0	0	139	86	49	0
Iona College	58	0	0	0	0	0	0	0	0	0	58	0
Ithaca College	380	0	0	0	0	0	0	0	0	0	380	0
Long Island University	283	0	0	0	0	0	0	0	0	0	283	0
Manhattan College	528	0	0	0	0	0	45	456	0	0	27	0
N Y Col of Podiatric Med	45	0	0	0	0	0	0	0	45	0	0	0
Nazareth Col of Rochester	25	0	0	0	0	0	0	0	25	0	0	0
New Sch for Soc Research	306	0	0	0	0	0	0	0	187	0	119	0
New York Inst Technology	53	0	0	53	0	0	0	0	0	0	0	0
New York Medical College	11,452	0	0	0	0	0	0	0	11,252	0	200	0
New York University	66,150	0	0	5,673	687	110	3,522	927	69,548	301	5,382	0
Pace University	242	0	0	0	0	0	0	0	242	0	0	0
Polytechnic University	3,826	0	0	2,083	100	0	187	0	0	172	1,284	0
Pratt Institute	70	0	0	0	0	0	0	0	0	0	70	0
Rensselaer Polytech Inst	20,073	40	300	5,012	400	0	2,386	185	1,779	2,998	6,495	478
Rochester Inst Technology	1,881	0	0	55	0	1,600	0	0	66	106	54	0
Rockefeller University	39,718	0	0	249	0	0	1,082	0	37,434	0	953	0
Russell Sage College	96	0	0	0	0	0	0	0	96	0	0	0
Sarah Lawrence College	26	0	0	0	0	0	0	0	0	0	26	0
Skidmore College	97	0	0	0	0	0	0	0	97	0	0	0
St John's University (NY)	855	0	0	0	0	0	0	0	851	0	4	0
St Lawrence University	8	8	0	0	0	0	0	0	0	0	0	0
Syracuse University	13,726	0	0	586	436	460	1,278	254	6,747	104	3,795	66

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD re-search 1/	DoD devel-opment 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
New York, cont'd												
SUNY - Hlth Sci Brooklyn	14,128	0	0	0	0	0	0	0	13,956	0	172	0
SUNY - Hlth Sci Syracuse	10,540	0	0	0	0	0	338	0	9,889	0	313	0
SUNY at Albany	14,429	805	0	636	0	700	1,123	410	7,149	571	3,035	0
SUNY at Binghamton	2,896	0	0	77	0	0	219	0	1,010	184	1,406	0
SUNY at Buffalo All Cmps	39,895	734	0	6,330	0	0	658	1,170	25,462	531	4,992	18
SUNY at Stony Brook	50,403	0	0	433	0	0	3,681	95	30,337	1,760	14,097	0
SUNY Ag & Tech Cobleskill	62	0	0	0	0	0	0	0	0	0	62	0
SUNY Col at Old Westbury	270	0	0	0	0	0	0	0	240	0	30	0
SUNY Col of Env Sci & For	625	625	0	0	0	0	0	0	0	0	0	0
SUNY College at Purchase	123	0	0	0	0	0	0	0	0	45	78	0
SUNY College Brockport	174	0	0	0	0	0	0	0	0	0	174	0
SUNY College Buffalo	1,092	0	0	970	0	0	0	0	0	122	0	0
SUNY College Cortland	182	0	0	114	0	0	0	0	0	0	68	0
SUNY College Fredonia	627	0	0	0	0	0	0	0	0	0	627	0
SUNY College Geneseo	163	0	0	0	0	0	0	0	0	0	163	0
SUNY College New Paltz	21	0	0	0	0	0	0	0	0	0	21	0
SUNY College Oswego	279	0	0	0	0	0	0	0	0	11	268	0
SUNY College Plattsburgh	271	0	0	0	0	0	0	0	122	30	119	0
SUNY College Potsdam	167	0	0	0	0	0	0	0	0	0	167	0
SUNY Erie CC North Cam	99	0	0	0	0	0	99	0	0	0	0	0
SUNY Fashion Inst Tech	42	0	0	0	41	0	0	0	0	0	0	1
SUNY Inst Tech Utica-Rome	94	0	0	0	0	0	0	0	0	0	94	0
SUNY St Col of Optometry	87	0	0	0	0	0	0	0	87	0	0	0
SUNY System Office	2,128	0	851	687	0	0	0	0	0	0	450	140
Union College (NY)	242	0	0	0	0	0	0	0	0	0	242	0
University of Rochester	103,510	140	0	5,204	2,010	170	17,370	0	70,549	1,464	6,603	0
Vassar College	356	0	0	0	0	0	0	0	258	0	98	0
Yeshiva University	72,115	0	0	235	0	156	0	0	71,441	0	283	0
North Carolina, total	340,513	13,987	2,395	17,603	965	3,849	7,064	8,315	242,252	5,713	31,772	6,598
Appalachian St University	378	0	0	0	0	0	0	100	87	23	168	0
Bennett College (NC)	90	0	0	0	0	0	0	0	90	0	0	0
Davidson College	244	0	0	0	0	0	0	0	0	0	244	0
Duke University	128,098	464	221	4,493	466	0	3,861	1,915	105,862	557	10,095	164
East Carolina University	3,927	0	99	534	0	0	0	0	3,078	0	216	0
Elizabeth City State Univ	29	0	0	29	0	0	0	0	0	0	0	0
Haywood Community College	4	4	0	0	0	0	0	0	0	0	0	0
Johnson C Smith Univ	11	0	0	0	0	0	11	0	0	0	0	0
N C State Univ at Raleigh	43,697	10,098	713	5,915	225	500	1,876	1,671	5,392	3,460	9,131	4,716
North Carolina Cntrl Univ	411	17	0	339	0	0	0	50	0	0	5	0
NC Ag & Tech State Univ	5,955	2,795	0	1,172	204	0	160	75	115	1,018	266	150
Shaw University	32	20	0	0	0	0	0	0	0	0	12	0
Univ of N C at Asheville	144	4	0	0	0	0	0	0	0	0	140	0
Univ of N C at Charlotte	1,837	0	43	483	70	0	96	0	62	79	1,004	0
Univ of N C at Greensboro	5,646	143	0	0	0	3,349	0	0	1,235	10	909	0
Univ of N C at Wilmington	1,512	0	855	0	0	0	0	0	137	0	520	0
Univ of N C Sys Off	1,773	80	125	0	0	0	0	0	0	0	0	1,568
Univ of NC at Chapel Hill	111,501	362	100	4,446	0	0	1,017	4,504	92,083	304	8,685	0
Wake Forest University	35,224	0	239	192	0	0	43	0	34,111	262	377	0
North Dakota, total	18,666	6,661	0	184	230	222	6,838	0	1,790	31	1,410	1,300
North Dakota State Univ	8,346	5,553	0	114	230	0	85	0	104	0	1,108	1,152
Standing Rock College	172	0	0	0	0	172	0	0	0	0	0	0
Turtle Mountain Comm Col	50	0	0	0	0	50	0	0	0	0	0	0
University of N Dakota	10,098	1,108	0	70	0	0	6,753	0	1,686	31	302	148

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Table 4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research 1/	DoD development 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Ohio, total	291,113	10,071	744	32,438	3,364	558	15,912	5,608	159,812	20,767	33,484	8,355
Baldwin-Wallace College	14	0	0	0	0	0	0	0	0	14	0	0
Bowling Green State Univ	1,589	0	0	153	0	0	0	0	769	0	667	0
Case Western Reserve Univ	87,747	380	0	2,607	0	510	10,232	117	62,596	6,605	4,700	0
Central State University	441	0	0	0	267	0	17	0	90	0	67	0
Cleveland State Univ	4,682	0	0	0	0	0	0	0	1,519	3,141	0	22
College of Wooster	143	0	0	0	0	0	0	0	0	0	143	0
Cuyahoga Cmty College	112	0	0	0	0	0	0	0	0	20	92	0
Denison University	131	0	0	0	0	0	49	0	82	0	0	0
Heidelberg College	18	0	18	0	0	0	0	0	0	0	0	0
Hocking Technical College	150	0	0	0	0	0	0	0	150	0	0	0
John Carroll University	307	0	0	0	0	0	0	0	0	230	77	0
Kent State University	5,342	0	12	716	0	0	147	0	1,369	395	2,703	0
Kenyon College	81	0	0	0	0	0	0	0	0	9	72	0
Lorain County Cmty Col	61	0	0	0	0	0	0	0	0	61	0	0
Marietta College	80	0	0	0	0	0	0	0	0	0	80	0
Med Col of Ohio at Toledo	7,573	0	0	0	0	0	0	250	7,172	0	151	0
Miami University (Ohio)	3,281	295	0	185	0	0	43	360	428	49	1,921	0
Muskingum Area Tech Col	32	0	0	0	0	0	0	0	0	0	32	0
Notre Dame College (OH)	102	0	0	0	0	0	0	0	0	0	102	0
NE Ohio Univs Col of Med	752	0	0	0	0	0	0	0	727	0	25	0
Oberlin College	506	0	0	0	0	0	0	0	70	0	436	0
Ohio State University	82,106	9,014	648	3,969	279	0	4,029	1,265	35,332	5,546	15,824	6,200
Ohio University	5,020	170	0	725	0	0	491	0	609	461	656	1,908
Ohio Wesleyan University	136	0	0	136	0	0	0	0	0	0	0	0
University of Akron	2,763	0	0	61	0	0	176	149	446	1,054	877	0
University of Cincinnati	51,490	206	0	2,663	0	48	401	2,875	41,267	1,522	2,508	0
University of Dayton	23,809	0	66	19,390	2,578	0	0	455	136	127	832	225
University of Toledo	3,392	0	0	149	0	0	142	0	1,227	1,455	419	0
Wilberforce University	6	6	0	0	0	0	0	0	0	0	0	0
Wright State University	9,062	0	0	1,684	240	0	0	137	5,823	78	1,100	0
Xavier University	185	0	0	0	0	0	185	0	0	0	0	0
Oklahoma, total	33,148	7,110	621	1,562	2,738	0	2,141	1,229	12,184	226	4,584	753
East Central University	170	0	0	0	0	0	0	170	0	0	0	0
Eastern Okla State Col	20	20	0	0	0	0	0	0	0	0	0	0
Langston University	1,851	1,844	0	0	0	0	7	0	0	0	0	0
Oklahoma State University	12,434	5,121	5	1,002	2,738	0	220	618	957	0	1,389	384
Redlands Cmty Col	5	5	0	0	0	0	0	0	0	0	0	0
Southeastern Okla St Univ	9	0	0	9	0	0	0	0	0	0	0	0
University of Oklahoma	17,590	120	616	551	0	0	1,669	441	10,972	226	2,626	369
University of Tulsa	1,069	0	0	0	0	0	245	0	255	0	569	0
Oregon, total	124,453	10,647	2,387	8,267	0	2,285	17,259	3,220	49,566	2,760	22,134	5,928
Lewis & Clark College	17	0	0	0	0	0	0	0	0	0	17	0
Linfield College	174	0	0	174	0	0	0	0	0	0	0	0
Nat Col of Natur Medicine	2,018	0	0	0	0	0	0	0	2,018	0	0	0
Oregon Grad Inst Sci Tech	4,856	357	0	759	0	0	505	456	490	0	1,246	1,043
Oregon Hlth Sciences Univ	43,481	0	0	623	0	0	12,428	0	29,969	0	461	0
Oregon Institute of Tech	262	0	0	0	0	0	262	0	0	0	0	0
Oregon State University	51,297	10,187	2,387	5,744	0	0	1,499	2,734	7,896	2,440	13,686	4,724
Portland State University	1,991	0	0	0	0	817	90	0	343	0	690	51
Reed College	316	0	0	0	0	0	41	0	92	38	145	0
Southern Oregon St Col	19	0	0	0	0	0	0	0	0	0	19	0
University of Oregon Main	19,750	103	0	967	0	1,468	2,434	30	8,508	282	5,848	110
Western Oregon State Coll	250	0	0	0	0	0	0	0	250	0	0	0
Willamette University	22	0	0	0	0	0	0	0	0	0	22	0
Pennsylvania, total	651,078	9,596	659	115,264	51,241	6,615	19,487	4,744	347,055	15,436	76,102	4,879
Allegheny College	883	0	0	0	0	0	50	0	100	0	733	0
Bloomsburg Univ of Penn	29	0	0	0	0	0	0	0	0	0	29	0
Bryn Mawr College	840	0	0	0	0	0	0	0	630	0	210	0

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[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research 1/	DoD development 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Pennsylvania, cont'd												
Bucknell University	499	0	0	0	0	0	0	0	129	0	370	0
Bucks County Cmty Col	1	0	0	0	0	0	0	0	0	0	0	1
Carnegie-Mellon Univ	50,167	0	99	16,806	1,481	0	3,264	389	7,638	3,040	17,153	277
Dickinson College	256	0	0	0	0	0	0	0	101	0	155	0
Drexel University	7,309	80	83	1,447	56	0	295	404	1,672	653	2,619	0
Duquesne University	529	0	0	0	0	0	0	0	529	0	0	0
Edinboro Univ of Penn	83	0	0	0	0	0	0	0	83	0	0	0
Elizabethtown College	66	0	0	0	0	66	0	0	0	0	0	0
Franklin & Marshall Col	713	0	0	0	0	0	0	0	0	0	713	0
Gettysburg College	29	0	0	0	0	0	0	0	0	0	29	0
Hahnemann University	10,327	0	0	644	0	0	0	0	9,683	0	0	0
Haverford College	699	0	0	0	0	0	0	0	0	16	683	0
Indiana Univ of Penn	112	0	0	0	0	0	0	0	0	0	112	0
Juniata College	146	0	0	0	0	0	0	0	0	0	146	0
King's College (PA)	58	0	0	0	0	0	0	0	0	0	58	0
La Salle University	77	0	0	77	0	0	0	0	0	0	0	0
Lafayette College	223	0	0	20	0	0	0	0	0	0	203	0
Lebanon Valley College	53	0	0	0	0	0	0	0	0	0	53	0
Lehigh University	36,265	86	203	26,310	127	0	1,817	111	696	278	6,597	60
Lincoln University (PA)	525	0	0	436	0	0	0	0	0	0	84	5
Medical Col of Penn	17,568	0	0	97	0	0	0	0	17,385	0	86	0
Millersville Univ of Penn	208	0	0	0	0	0	0	0	0	0	208	0
Pennsylvania Col Optomet	398	0	0	0	0	0	0	0	398	0	0	0
Pennsylvania State Univ	144,400	9,066	206	30,171	28,570	1,827	5,542	1,313	35,296	10,042	17,932	4,435
Phila Col of Pharm & Sci	287	0	0	0	0	0	0	0	274	13	0	0
Phila Col Osteopathic Med	2	0	0	0	0	0	0	0	2	0	0	0
Shippensburg Univ of Penn	13	0	0	0	0	0	0	0	0	0	13	0
St Vincent Col and Sem	10	10	0	0	0	0	0	0	0	0	0	0
Susquehanna University	56	0	0	0	0	0	0	0	0	28	28	0
Swarthmore College	885	0	0	0	0	0	0	0	229	39	617	0
Temple University	22,995	0	0	0	0	800	342	403	19,785	0	1,665	0
Thomas Jefferson Univ	26,068	0	0	82	0	969	0	0	24,866	0	171	0
Univ of Pennsylvania	169,352	394	45	20,841	0	1,652	5,783	0	123,542	120	17,035	0
University of Pittsburgh	147,757	40	23	8,353	21,007	1,301	2,374	2,124	103,668	1,109	7,857	101
University of Scranton	10,078	0	0	10,000	0	0	0	0	0	0	78	0
Villanova University	935	0	0	0	0	0	0	0	271	98	566	0
West Chester Univ of Penn	58	0	0	0	0	0	0	0	0	0	58	0
Widener University	88	0	0	0	0	0	0	0	78	0	10	0
Wilkes University	33	0	0	0	0	0	0	0	0	0	33	0
Rhode Island, total	55,243	1,623	2,142	9,510	0	95	2,835	586	18,227	2,008	16,891	1,326
Brown University	36,015	190	130	7,069	0	0	2,720	0	14,441	1,150	10,146	169
Providence College	65	0	0	0	0	0	0	0	0	0	65	0
Univ of Rhode Island	19,163	1,433	2,012	2,441	0	95	115	586	3,786	858	6,680	1,157
South Carolina, total	54,996	7,021	647	2,774	1,060	113	8,613	1,066	23,827	1,214	7,797	864
Claflin College	151	0	0	0	0	0	100	0	51	0	0	0
Clemson University	13,917	5,290	66	1,855	1,060	0	720	527	581	914	2,349	555
College of Charleston	168	0	0	13	0	0	0	0	0	42	113	0
Francis Marion College	94	0	0	0	0	0	0	0	0	0	94	0
Furman University	215	5	0	0	0	0	0	0	0	0	210	0
Med Univ of So Carolina	22,334	9	133	0	0	113	6,590	0	15,324	0	165	0
South Carolina St College	1,839	1,593	0	200	0	0	46	0	0	0	0	0
SC Sea Grant Consortium	313	0	313	0	0	0	0	0	0	0	0	0
Univ of South Carolina	15,787	124	135	706	0	0	979	539	7,871	258	4,866	309
York Technical College	178	0	0	0	0	0	178	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD re-search 1/	DoD devel-opment 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
South Dakota, total	6,705	2,803	0	207	0	89	100	118	669	453	1,945	321
Augustana College	135	0	0	0	0	0	0	0	64	0	71	0
Dakota State University	24	0	0	0	0	0	0	0	0	0	24	0
S Dak Sch Mines & Tech	2,552	0	0	147	0	0	0	50	0	433	1,774	148
Sisseton-Wahpeton Cmty C	89	0	0	0	0	89	0	0	0	0	0	0
South Dakota State Univ	3,164	2,803	0	0	0	0	100	68	6	0	76	111
Univ of South Dakota	741	0	0	60	0	0	0	0	599	20	0	62
Tennessee, total	148,877	8,814	0	8,183	520	431	12,701	700	100,105	5,448	10,203	1,772
Austin Peay State Univ	35	0	0	35	0	0	0	0	0	0	0	0
Belmont College	22	0	0	0	0	0	0	0	0	0	22	0
East Tennessee State Univ	1,736	100	0	0	0	0	0	0	893	0	743	0
Fisk University	705	0	0	0	0	0	126	25	0	404	0	150
Le Moyne-Owen College	62	0	0	0	0	0	0	0	50	0	12	0
Meharry Medical College	8,728	0	0	590	0	0	0	221	6,320	0	1,597	0
Memphis State University	4,225	185	0	324	0	0	116	0	2,119	100	241	1,140
Middle Tennessee St Univ	45	0	0	0	0	0	45	0	0	0	0	0
Rhodes College	69	0	0	0	0	0	0	0	0	0	69	0
Southern Col of Optometry	61	0	0	0	0	0	0	0	61	0	0	0
Tenn Technological Univ	745	0	0	0	0	0	131	121	104	70	248	71
Tennessee State Univ	5,467	2,623	0	50	148	0	0	0	1,581	378	687	0
Univ of Tenn System Off	318	164	0	0	0	0	0	0	25	0	0	129
Univ of Tennessee All Cmp	50,204	5,677	0	1,941	372	288	11,576	258	23,518	1,906	4,479	189
University of the South	18	0	0	0	0	0	0	0	0	0	18	0
Vanderbilt University	76,437	65	0	5,243	0	143	707	75	65,434	2,590	2,087	93
Texas, total	516,679	24,015	1,166	34,566	26,791	2,256	25,148	9,117	302,554	32,528	52,021	6,517
Abilene Christian Univ	88	0	0	0	0	0	88	0	0	0	0	0
Alamo Cmty Col Dist	1	0	0	0	0	0	0	0	0	0	0	1
Baylor Col of Dentistry	516	0	0	200	0	0	0	0	316	0	0	0
Baylor Col of Medicine	82,849	8,617	103	660	0	884	951	192	69,917	696	829	0
Baylor University	1,069	0	0	60	0	0	0	0	958	51	0	0
Concordia Lutheran Col	146	0	0	0	0	0	0	0	0	0	146	0
Del Mar College	68	0	0	0	0	0	0	0	0	0	68	0
Galveston College	20	0	0	0	0	0	0	0	0	0	20	0
Jarvis Christian College	172	0	0	125	0	0	0	0	47	0	0	0
Lamar University - Beaumo	3,510	0	0	0	0	0	0	2,790	0	167	553	0
Midwestern State Univ	33	0	0	0	0	0	0	0	0	0	33	0
Parker Coll of Chiropract	4,071	0	0	0	0	0	0	0	4,071	0	0	0
Prairie View A & M Univ	3,472	2,457	0	0	0	0	260	0	0	355	300	100
Rice University	16,052	120	48	2,561	0	0	2,229	569	2,869	1,844	5,769	43
Richland College	1	0	0	0	0	0	0	0	0	0	0	1
Sam Houston State Univ	25	25	0	0	0	0	0	0	0	0	0	0
Southern Methodist Univ	5,139	0	0	2,583	0	0	188	0	845	141	1,382	0
Southwest Texas St Univ	1,256	0	0	0	0	666	0	29	494	50	17	0
Southwestern Univ (TX)	35	0	0	10	0	0	0	0	25	0	0	0
St Edward's University	55	0	0	0	0	0	0	0	25	0	30	0
Stephen F Austin St Univ	230	230	0	0	0	0	0	0	0	0	0	0
Tarleton State University	33	0	0	0	0	0	0	24	0	0	9	0
Texas A & I University	196	0	0	0	0	0	0	0	0	196	0	0
Texas A & M Univ Sys Off	2,901	494	0	0	0	0	0	0	129	328	0	1,950
Texas A & M University	52,367	10,764	975	4,994	423	81	4,392	958	10,793	4,284	14,247	456
Texas Christian Univ	2,710	0	0	37	0	0	0	0	2,499	0	174	0
Texas Col of Osteo Med	2,641	0	0	0	0	0	0	0	2,460	51	130	0
Texas Southern Univ	1,918	0	0	0	0	0	39	87	1,477	275	40	0
Texas Tech University	7,540	589	0	1,180	192	0	164	1,088	2,287	240	1,744	56
Texas Woman's University	481	0	0	0	0	177	0	0	304	0	0	0
Trinity University	635	0	0	0	0	0	0	0	313	0	322	0
U of Houston Downtown Col	1,161	0	0	25	0	0	986	150	0	0	0	0
U of Houston Sys Off	71	46	10	0	0	0	0	0	0	0	0	15
U of Houston Univ Park	17,629	75	0	998	36	0	1,144	0	4,657	6,824	4,095	0

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research 1/	DoD development 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Texas, cont'd												
U of Texas at San Antonio	1,769	0	0	70	0	0	0	0	266	161	1,272	0
U of TX - Pan America	297	0	0	88	0	0	0	0	0	209	0	0
U Tex Hlth Sci Ctr Houstn	33,381	0	0	209	0	0	411	150	31,920	529	130	32
U Tex Hlth Sci Ctr S Anto	36,999	322	0	742	0	0	0	0	35,623	63	249	0
U Tex Med Brnch Galveston	25,272	0	0	432	0	0	209	163	23,936	358	172	0
U Tex SW Med Ctr - Dallas	55,878	0	0	125	0	0	139	0	53,939	1,316	359	0
U TX MD Anderson Cncr Ctr	34,693	0	0	0	0	0	0	69	34,534	0	90	0
Univ of North Texas	1,781	0	0	432	0	131	0	211	482	0	525	0
Univ of Tex at Arlington	2,282	0	0	871	140	0	0	35	93	25	1,118	0
Univ of Texas at Austin	95,063	276	0	16,929	25,960	0	13,807	702	13,556	8,474	14,142	3,217
Univ of Texas at Dallas	4,825	0	0	735	0	0	141	0	1,560	1,297	1,092	0
Univ of Texas at El Paso	6,067	0	0	500	40	0	0	1,900	505	298	2,525	299
Univ of Texas System Off	2,029	0	30	0	0	0	0	0	1,652	0	0	347
Univ Houstn Clr Lake City	6,496	0	0	0	0	0	0	0	0	6,496	0	0
University of Dallas	698	0	0	0	0	317	0	0	0	0	381	0
Wiley College	58	0	0	0	0	0	0	0	0	0	58	0
Utah, total	129,587	2,682	82	14,662	31,654	448	6,421	613	53,501	1,801	15,129	2,394
Brigham Young University	5,215	6	0	353	0	192	562	199	958	123	2,772	50
Snow College	28	0	0	0	0	0	0	0	0	0	28	0
University of Utah	70,877	40	82	3,248	294	86	4,760	162	49,174	722	10,514	1,795
Utah State University	53,430	2,636	0	11,061	31,560	170	1,099	252	3,369	936	1,801	546
Utah Valley Comm Col	20	0	0	0	0	0	0	0	0	20	0	0
Weber State University	3	0	0	0	0	0	0	0	0	0	0	3
Westminster College (UT)	14	0	0	0	0	0	0	0	0	0	14	0
Vermont, total	37,872	4,318	0	177	154	1,062	630	582	28,294	117	2,380	158
Johnson State College	12	0	0	0	0	0	0	0	0	0	12	0
Lyndon State College	13	13	0	0	0	0	0	0	0	0	0	0
Middlebury College	222	0	0	60	0	0	0	0	0	67	95	0
Norwich University	44	0	0	0	0	0	0	0	0	25	19	0
Univ of VT & St Agric Col	37,294	4,305	0	117	154	1,062	630	295	28,294	25	2,254	158
Vermont Law School	287	0	0	0	0	0	0	287	0	0	0	0
Virginia, total	181,418	8,416	2,306	14,588	1,604	2,244	9,383	1,070	91,905	17,821	20,458	11,623
College of William & Mary	5,662	0	1,135	270	0	0	261	120	344	1,659	1,821	52
Eastern VA Medical School	9,280	0	0	0	0	0	0	0	2,066	224	0	6,990
Ferrum College	235	0	0	0	0	0	0	0	0	0	235	0
George Mason University	5,199	0	173	2,321	533	82	0	0	483	194	1,046	367
Hampden-Sydney College	57	0	0	0	0	0	0	0	0	26	31	0
Hampton University	5,672	0	0	1,434	0	0	231	0	304	2,071	1,562	70
James Madison University	252	0	0	0	0	0	0	0	183	0	69	0
Longwood College	45	0	0	0	0	0	0	0	0	45	0	0
Mountain Empire Cmty Col	31	0	0	0	0	0	0	0	0	0	31	0
Norfolk State University	209	0	0	0	0	0	109	0	0	100	0	0
Old Dominion University	8,454	0	0	731	0	0	221	0	286	3,864	1,352	0
Radford University	10	0	0	0	0	0	0	0	0	0	10	0
Thomas Nelson Cmty Col	104	4	0	0	0	0	0	0	0	100	0	0
University of Richmond	288	0	0	0	0	0	88	0	73	55	72	0
University of Virginia	66,916	100	688	5,877	768	1,430	2,648	295	41,250	4,134	8,464	1,062
Virginia Commonwlth Univ	46,324	0	0	316	0	660	216	112	44,129	452	439	0
Virginia Military Inst	73	0	25	0	0	0	0	0	0	0	48	0
Virginia State University	2,348	1,862	0	0	97	0	86	0	0	253	50	0
VA Polytech Inst & St U	32,033	6,450	85	3,639	206	72	5,523	543	2,761	4,644	5,026	3,082
Washington & Lee Univ	226	0	0	0	0	0	0	0	26	0	200	0
Washington, total	272,682	11,503	3,209	23,224	8,472	126	8,930	1,748	166,573	7,033	38,444	3,420
Central Washington Univ	73	0	0	25	0	0	0	0	0	0	48	0
Eastern Washington Univ	242	0	0	0	0	0	0	0	76	91	7	68
Everett Community College	2	0	0	0	0	0	0	0	0	0	0	2
Evergreen State College	89	0	0	0	0	0	0	0	0	0	89	0
Gonzaga University	233	0	0	0	0	0	0	0	0	0	233	0
Northwest Indian College	7	0	0	0	0	0	0	0	0	0	7	0
Olympic College	1	0	0	0	0	0	0	0	0	0	0	1
University of Puget Sound	172	0	0	0	0	0	0	0	94	17	61	0
University of Washington	245,286	3,104	3,209	21,724	8,434	126	8,852	1,162	158,504	6,805	32,151	3,217
Walla Walla College	25	0	0	0	0	0	0	0	25	0	0	0
Washington State Univ	25,508	8,380	0	1,288	38	0	2,063	531	7,893	120	5,263	132
Western Washington Univ	724	19	0	122	0	0	0	55	83	0	445	0
Whitman College	110	0	0	65	0	0	15	0	0	0	30	0
Whitworth College	208	0	0	0	0	0	0	0	98	0	110	0

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research 1/	DoD development 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
West Virginia, total	33,711	4,621	0	391	0	0	15,326	1,241	5,660	1,807	1,809	2,856
Beckley College	896	0	0	0	0	0	896	0	0	0	0	0
Bluefield State College	60	0	0	0	0	0	0	0	0	0	0	60
Davis & Elkins College	5	5	0	0	0	0	0	0	0	0	0	0
Fairmont State College	18	5	0	0	0	0	0	0	0	0	13	0
Marshall University	1,012	30	0	0	0	0	0	0	940	0	0	42
Shepherd College	131	0	0	0	0	0	0	0	0	131	0	0
West Virginia Inst Tech	5	5	0	0	0	0	0	0	0	0	0	0
West Virginia State Col	305	0	0	0	0	0	0	0	0	265	0	40
West Virginia University	29,914	4,576	0	391	0	0	14,430	1,241	4,720	161	1,796	2,599
Wheeling College	1,250	0	0	0	0	0	0	0	0	1,250	0	0
WV Univ at Parkersburg	115	0	0	0	0	0	0	0	0	0	0	115
Wisconsin, total	219,233	10,257	1,220	12,380	845	3,443	17,683	1,365	119,610	12,543	38,450	1,437
Beloit College	426	0	0	0	0	0	0	0	0	96	330	0
Carroll College (WI)	88	0	0	0	0	0	0	0	0	0	88	0
Lawrence University	102	0	0	0	0	0	0	0	0	0	102	0
Marquette University	2,890	0	0	81	0	0	83	0	1,109	196	1,376	45
Medical College of Wis	23,281	290	0	0	0	0	0	0	21,286	323	627	755
Milwaukee School of Eng	89	0	0	0	0	0	0	0	0	0	89	0
St Norbert College	15	0	0	0	0	0	0	0	0	15	0	0
Univ of Wis-Center System	1,445	0	0	851	0	0	155	0	112	0	314	13
Univ of Wis-Eau Claire	274	0	0	0	0	0	0	0	0	0	274	0
Univ of Wis-La Crosse	112	0	0	0	0	0	0	0	0	0	112	0
Univ of Wis-Madison	179,079	9,720	146	11,131	845	0	17,225	518	94,419	11,733	32,887	455
Univ of Wis-Milwaukee	4,482	0	0	261	0	0	220	74	2,454	180	1,209	84
Univ of Wis-Oshkosh	120	0	0	0	0	0	0	0	0	0	120	0
Univ of Wis-Parkside	157	0	0	56	0	0	0	0	37	0	64	0
Univ of Wis-River Falls	578	0	0	0	0	0	0	0	193	0	385	0
Univ of Wis-Stevens Point	343	20	0	0	0	0	0	0	0	0	323	0
Univ of Wis-Stout	807	0	0	0	0	776	0	0	0	0	29	2
Univ of Wis-Superior	511	0	0	0	0	0	0	390	0	0	121	0
Univ of Wisconsin Sys Off	4,434	227	1,074	0	0	2,667	0	383	0	0	0	83
Wyoming, total	10,886	2,498	0	692	227	25	439	265	1,358	161	4,000	1,221
Northwest College	46	0	0	0	0	0	0	0	0	0	46	0
University of Wyoming	10,824	2,498	0	692	227	25	439	265	1,358	161	3,954	1,205
Western Wyoming Cmty Col	16	0	0	0	0	0	0	0	0	0	0	16
Guam, total	1,325	1,016	56	0	0	0	0	0	98	0	50	105
University of Guam	1,325	1,016	56	0	0	0	0	0	98	0	50	105
Puerto Rico, total	21,650	4,227	230	327	0	0	100	164	10,209	236	6,052	105
Bayamon Tech Univ College	90	0	0	90	0	0	0	0	0	0	0	0
Inter Am U Pr-San German	32	0	0	0	0	0	0	0	0	0	32	0
Inter Amer U of Pr Metrop	188	0	0	0	0	0	0	0	0	0	188	0
Ponce School of Medicine	1,792	0	0	0	0	0	0	0	1,792	0	0	0
U Ctrl Del Caribe Esc Med	1,248	0	0	0	0	0	0	0	1,248	0	0	0
Univ of the Sacred Heart	42	0	0	0	0	0	0	0	0	0	42	0
Univ of P R System Off	759	40	230	0	0	0	100	0	0	0	284	105
Univ of P R-Mayaguez	7,397	4,187	0	138	0	0	0	57	0	236	2,779	0
Univ of P R-Med Sci Cmpus	6,417	0	0	0	0	0	0	0	6,417	0	0	0
Univ of P R-Rio Piedras	3,685	0	0	99	0	0	0	107	752	0	2,727	0
American Samoa, total	657	618	0	0	0	0	0	0	0	0	39	0
American Samoa Cmty Col	657	618	0	0	0	0	0	0	0	0	39	0
Virgin Islands, total	1,048	940	0	0	0	0	0	0	0	0	0	108
U of the Virgin Islands	1,048	940	0	0	0	0	0	0	0	0	0	108

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations to universities and colleges for science and engineering research and development, by State, institution, and agency: fiscal year 1991

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research 1/	DoD development 1/	Ed	DOE	EPA	HHS	NASA	NSF	Other 2/
Trust Territory Pac Isl, total	853	853	0	0	0	0	0	0	0	0	0	0
Cmty Col of Micronesia	334	334	0	0	0	0	0	0	0	0	0	0
No Marianas College	519	519	0	0	0	0	0	0	0	0	0	0

1/ In this table, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-affiliated laboratories that are separate from the academic departments.

2/ Includes Department of Transportation, Agency for International Development, Department of Housing and Urban Development, Department of Labor, Nuclear Regulatory Commission, and Department of the Interior

NOTE: The appearance of negative numbers is a result of deobligations; see "Survey Coverage" in Introduction.

KEY:
Com = Department of Commerce
DoD = Department of Defense
DOE = Department of Energy
Ed = Department of Education
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation
USDA = U.S. Department of Agriculture

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1991

Table 5. Federal obligations to universities and colleges, by type of activity and agency: fiscal years 1963-91

[Dollars in millions]

Activity and year	Total	USDA	Com	DoD	OEO	Ed	DOE 1/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Total, all activities:																	
1963	1,413.0	104.0	1.8	218.0	NA	NA	76.1	NA	665.3	NA	4.0	NA	NA	87.4	256.3	NA	NA
1964	1,625.0	115.0	1.7	258.1	NA	NA	79.9	NA	780.0	NA	5.3	NA	NA	107.6	277.5	NA	NA
1965	2,305.5	135.6	2.6	267.9	NA	NA	84.4	NA	1,345.6	NA	9.7	NA	NA	134.3	325.2	NA	NA
1966	3,010.0	141.0	2.8	276.0	NA	NA	96.9	NA	1,952.2	NA	22.4	NA	NA	142.2	374.5	NA	NA
1967	3,317.7	144.8	7.9	264.1	NA	NA	109.6	NA	2,237.6	NA	27.4	NA	NA	131.5	394.5	NA	NA
1968	3,386.6	144.2	9.6	243.1	54.7	NA	119.7	NA	2,222.2	1.7	28.2	NA	6.6	129.8	422.8	NA	3.8
1969	3,462.4	155.9	3.9	278.7	60.4	NA	121.0	NA	2,302.4	1.1	24.3	10.0	10.4	127.2	367.0	NA	NA
1970	3,236.6	182.1	4.9	265.5	35.6	NA	114.5	NA	2,060.9	.6	27.7	10.9	5.2	131.2	387.4	NA	10.1
1971	3,498.6	214.6	9.7	249.0	37.5	NA	105.8	27.2	2,274.6	.7	22.6	19.1	5.2	134.1	387.7	NA	10.8
1972	4,144.7	238.6	26.0	243.9	30.0	NA	95.3	23.3	2,842.0	1.5	24.4	18.7	7.5	119.0	458.7	NA	15.9
1973	3,839.1	256.8	28.6	232.9	30.1	NA	96.2	27.7	2,576.3	.9	23.8	10.7	8.3	111.4	419.6	NA	15.9
1974	4,480.4	260.7	29.5	184.4	10.0	NA	99.5	30.9	3,250.4	2.9	23.8	19.9	7.2	98.9	449.6	NA	12.8
1975	4,547.2	290.7	26.4	190.5	NA	NA	124.3	38.8	3,207.9	2.3	28.8	12.4	5.5	108.0	490.5	.1	20.8
1976	5,402.8	328.6	39.1	211.9	NA	NA	144.1	33.0	3,964.3	1.4	28.2	13.5	4.5	118.9	496.3	3.3	15.7
1977	6,489.7	346.7	32.5	267.3	NA	NA	211.8	46.3	4,817.0	4.3	29.5	24.4	7.2	121.0	565.8	4.7	11.4
1978	7,471.8	394.8	35.9	452.3	NA	NA	269.7	55.8	5,403.8	10.5	44.0	28.1	12.6	130.5	607.1	8.8	17.8
1979 2/	7,603.9	427.0	47.3	528.7	NA	NA	274.9	68.1	3,935.0	4.0	40.1	28.5	13.7	143.9	671.6	6.9	11.4
1980	8,298.8	448.4	52.2	555.9	NA	2,832.1	312.2	83.4	2,985.8	4.3	45.8	38.6	16.2	171.2	726.4	7.0	19.4
1981 2/	8,640.9	495.6	51.8	748.2	NA	2,269.8	315.7	70.6	2,749.8	3.0	38.7	31.3	15.1	183.5	695.1	7.4	29.0
1982 2/	8,777.0	532.1	40.6	873.1	NA	3,242.7	295.3	85.4	2,624.9	2.6	28.5	50.4	10.5	176.9	728.1	5.2	12.0
1983 2/	9,344.6	570.0	51.0	954.9	NA	1,726.0	328.1	51.2	2,809.7	1.5	35.8	43.4	9.5	203.8	798.8	4.8	28.4
1984	10,039.5	611.6	106.0	965.7	NA	3,517.1	354.6	52.9	3,148.4	.4	45.8	56.3	7.1	216.6	935.6	4.9	16.6
1985	10,971.6	656.8	81.4	1,067.1	NA	3,518.7	454.7	66.1	3,672.1	.4	44.4	57.0	6.8	251.0	1,078.7	5.4	11.2
1986	11,619.2	624.2	70.3	1,214.0	NA	3,996.5	420.6	70.8	3,773.6	.3	50.8	44.3	6.5	270.3	1,055.8	3.8	17.3
1987	13,433.8	678.4	93.5	1,297.9	NA	4,850.8	475.1	74.3	4,453.0	.5	46.5	53.3	11.1	309.8	1,069.5	3.9	16.0
1988	14,066.5	746.8	87.3	1,385.6	NA	4,866.2	537.6	66.2	4,770.6	.1	53.1	48.5	10.9	383.7	1,102.0	3.6	24.2
1989	15,503.6	728.6	81.4	1,487.7	NA	5,378.9	566.0	85.8	5,204.6	**	68.2	65.3	9.2	461.9	1,336.2	4.3	25.4
1990	15,197.5	769.8	115.6	1,342.2	NA	4,678.6	557.0	93.6	5,500.8	.1	75.9	47.4	11.3	511.3	1,445.1	4.6	44.3
1991	17,414.8	876.2	135.6	1,729.6	NA	5,342.9	662.2	115.9	6,124.9	**	100.4	31.9	9.2	592.9	1,642.3	5.4	45.3
Total academic science & engineering:																	
1963	1,328.5	104.0	1.8	218.0	NA	NA	76.1	NA	581.0	NA	3.8	NA	NA	87.4	256.3	NA	NA
1964	1,528.6	115.0	1.7	258.1	NA	NA	79.9	NA	683.8	NA	5.1	NA	NA	107.6	277.5	NA	NA
1965	1,816.2	135.6	2.6	267.9	NA	NA	84.4	NA	856.5	NA	9.6	NA	NA	134.3	325.2	NA	NA
1966	2,163.5	141.0	2.8	276.0	NA	NA	96.9	NA	1,109.2	NA	19.1	NA	NA	142.2	374.5	NA	NA
1967	2,323.8	144.8	4.4	264.1	NA	NA	109.6	NA	1,251.0	NA	23.9	NA	NA	131.5	394.5	NA	NA
1968	2,349.8	144.2	8.0	243.1	12.5	NA	119.7	NA	1,229.4	1.7	28.2	NA	6.6	129.8	422.8	NA	3.7
1969	2,361.4	155.9	2.2	278.7	9.3	NA	121.0	NA	1,261.8	1.1	24.3	3.9	9.1	127.2	367.0	NA	NA
1970	2,187.6	182.1	3.9	265.5	18.9	NA	114.5	NA	1,036.7	.5	27.7	5.5	3.5	131.2	387.4	NA	10.1
1971	2,343.1	214.6	7.6	249.0	16.4	NA	105.8	27.2	1,142.3	.7	22.6	19.1	5.2	134.1	387.7	NA	10.8
1972	2,599.1	238.6	26.0	243.9	8.3	NA	95.3	23.3	1,316.4	1.5	24.3	18.7	7.3	119.0	458.7	NA	15.9
1973	2,464.4	256.8	28.4	232.9	8.7	NA	96.2	27.7	1,225.0	.9	23.7	10.7	8.3	111.4	419.6	NA	15.9
1974	2,737.0	260.7	29.4	184.4	4.1	NA	99.5	30.9	1,515.4	.6	23.8	19.9	7.1	98.9	449.6	NA	12.8
1975	2,805.8	290.7	25.8	190.5	NA	NA	124.3	38.8	1,467.3	2.3	28.8	12.4	5.5	108.0	490.5	**	20.8
1976	2,959.7	328.6	38.2	211.9	NA	NA	144.1	33.0	1,522.2	1.4	28.2	13.5	4.5	118.9	496.3	3.2	15.7
1977	3,351.3	343.2	32.5	267.3	NA	NA	208.1	46.3	1,686.5	4.3	29.5	24.4	7.2	121.0	565.8	4.5	10.9
1978	3,959.8	391.7	35.9	452.3	NA	NA	267.2	54.7	1,900.8	10.5	42.5	28.1	12.6	130.5	607.1	8.4	17.5
1979	4,472.7	422.5	47.3	528.7	NA	NA	273.9	68.7	2,216.0	4.0	40.1	28.5	11.1	143.9	671.6	6.9	11.4
1980	4,791.0	444.1	51.6	555.9	NA	48.0	309.6	81.5	2,281.1	4.3	42.4	38.6	10.3	171.2	726.4	7.0	19.1
1981	5,062.9	491.4	51.8	726.0	NA	56.1	310.4	67.5	2,363.6	3.0	34.2	31.3	12.9	183.5	695.1	7.4	28.5
1982	5,179.6	529.7	40.6	857.3	NA	35.6	288.2	83.8	2,332.8	2.6	28.3	50.4	6.4	176.9	728.1	5.0	12.0
1983	5,680.6	566.0	51.0	940.3	NA	34.9	320.0	50.3	2,602.2	1.5	32.0	43.4	6.4	203.8	798.8	4.7	25.4
1984	6,308.0	607.4	105.8	954.6	NA	43.6	348.4	51.9	2,934.1	.2	32.2	56.3	3.1	216.6	935.6	4.6	13.6
1985	7,257.9	652.8	81.2	1,061.1	NA	69.6	451.7	65.2	3,440.0	.2	33.1	57.0	3.4	251.0	1,078.7	5.4	7.6
1986	7,430.9	620.7	70.3	1,206.2	NA	74.0	420.5	70.8	3,536.0	.1	40.9	44.3	3.7	270.3	1,055.8	3.8	13.6
1987	8,567.3	674.7	88.8	1,278.5	NA	280.8	475.1	74.3	4,195.3	.1	39.4	53.3	8.3	309.8	1,069.5	3.9	15.3
1988	9,136.2	741.7	81.4	1,377.4	NA	255.6	536.2	66.2	4,486.2	.1	41.6	48.5	8.0	383.7	1,102.0	3.6	24.2
1989	10,074.6	721.7	74.0	1,486.4	NA	269.6	565.3	85.8	4,916.3	.0	56.2	65.3	6.5	461.9	1,336.2	4.3	25.1
1990	10,443.1	762.0	110.4	1,342.2	NA	260.1	556.1	93.6	5,196.4	.1	60.5	47.4	8.6	511.3	1,445.1	4.6	42.6
1991	11,814.5	867.4	121.9	1,539.2	NA	344.2	658.9	115.9	5,763.4	**	80.4	31.9	5.8	592.9	1,642.3	5.4	44.8

See explanatory information, if any, and SOURCE at end of table.

Table 5. Federal obligations to universities and colleges, by type of activity and agency: fiscal years 1963-91

[Dollars in millions]

Activity and year	Total	USDA	Com	DoD	OEO	Ed	DOE 1/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Research and development:																	
1963	829.5	40.6	1.5	218.0	NA	NA	68.3	NA	332.9	NA	3.8	NA	NA	59.8	104.6	NA	NA
1964	975.6	47.5	1.1	258.1	NA	NA	70.5	NA	399.2	NA	5.0	NA	NA	78.2	115.8	NA	NA
1965	1,095.0	59.1	2.1	267.9	NA	NA	74.8	NA	441.9	NA	9.5	NA	NA	100.6	139.2	NA	NA
1966	1,252.1	62.9	2.1	278.0	NA	NA	83.2	NA	507.3	NA	18.7	NA	NA	107.4	192.5	NA	NA
1967	1,301.2	64.0	3.4	264.1	NA	NA	89.7	NA	577.0	NA	23.9	NA	NA	109.0	170.2	NA	NA
1968	1,398.3	62.2	6.7	243.1	12.5	NA	101.8	NA	619.1	1.0	27.8	NA	6.6	126.1	187.7	NA	3.7
1969	1,474.7	63.6	1.7	278.7	9.3	NA	103.1	NA	667.1	1.0	23.5	3.9	9.1	122.3	191.5	NA	NA
1970	1,446.6	67.4	3.2	265.5	18.9	NA	101.4	NA	614.9	.5	27.1	5.5	3.5	127.4	201.2	NA	10.1
1971	1,551.4	74.8	6.9	249.0	16.4	NA	95.9	17.0	695.7	.7	21.3	17.1	3.3	126.5	216.9	NA	8.0
1972	1,853.1	88.6	23.6	243.9	8.3	NA	86.8	17.7	879.3	1.5	23.0	13.5	7.3	112.4	334.7	NA	12.4
1973	1,870.7	93.8	24.9	232.9	8.7	NA	85.2	18.6	903.8	.9	22.2	8.4	5.0	102.6	348.5	NA	15.2
1974	2,085.2	96.7	26.6	184.4	3.4	NA	94.6	24.1	1,129.0	.6	22.2	18.4	5.6	92.0	376.1	NA	11.5
1975	2,246.1	110.5	22.2	190.5	NA	NA	119.2	33.8	1,205.2	2.3	27.2	8.3	4.0	100.2	404.6	.0	18.1
1976	2,431.0	124.2	29.0	211.9	NA	NA	138.1	29.3	1,296.2	1.4	25.7	10.7	3.0	106.8	436.6	3.2	14.9
1977	2,803.0	142.2	32.2	267.3	NA	NA	187.2	45.0	1,452.1	4.3	27.4	20.2	7.2	113.7	491.0	3.8	9.6
1978	3,385.8	175.3	35.0	452.3	NA	NA	251.1	51.1	1,657.6	10.5	34.3	24.9	12.6	124.7	531.5	8.4	16.4
1979	3,873.5	193.8	45.9	528.7	NA	NA	256.4	60.9	1,966.5	4.0	35.3	28.0	11.1	137.2	587.6	6.5	11.4
1980	4,160.5	211.8	50.4	555.9	NA	48.0	279.6	76.9	2,025.6	4.3	38.8	38.6	10.3	161.3	633.9	6.1	19.1
1981	4,410.9	241.4	51.1	700.5	NA	56.1	281.8	64.2	2,112.8	3.0	30.2	31.3	12.9	173.9	616.8	7.0	27.8
1982	4,554.5	256.5	39.7	813.7	NA	35.6	265.2	78.1	2,110.6	.5	21.5	50.4	8.4	167.7	689.8	5.0	11.7
1983	5,024.3	273.9	50.1	913.4	NA	34.9	296.6	45.3	2,360.3	1.1	20.8	43.4	6.4	189.4	759.1	4.7	25.1
1984	5,448.8	273.0	75.6	827.8	NA	43.6	317.1	47.3	2,681.4	.2	32.2	56.3	3.1	203.8	869.6	4.6	13.2
1985	6,246.2	300.4	79.7	908.9	NA	69.6	373.1	61.9	3,098.6	.2	32.9	57.0	3.4	237.3	1,011.1	4.9	7.2
1986	6,456.7	290.1	68.3	1,055.0	NA	72.2	346.9	67.9	3,212.1	.1	40.9	44.3	3.7	254.0	983.9	3.8	13.3
1987	7,241.0	296.0	87.6	1,098.9	NA	85.2	371.6	67.1	3,835.3	.1	39.4	53.3	8.3	293.6	987.5	3.9	13.2
1988	7,719.2	321.3	75.8	1,194.2	NA	69.6	407.6	64.1	4,128.3	.1	39.1	48.5	8.0	339.5	998.3	3.6	21.3
1989	8,522.6	336.0	66.0	1,220.6	NA	68.6	448.7	77.5	4,512.0	.0	52.8	65.3	6.5	435.7	1,206.6	4.3	21.9
1990	9,005.8	349.1	97.3	NA	NA	71.1	496.8	87.1	4,774.5	.1	57.8	47.4	8.6	470.7	1,304.6	4.6	39.2
1991	10,014.3	408.8	61.9	NA	NA	92.1	605.1	104.3	5,301.1	**	67.8	31.9	5.8	533.7	1,438.6	5.4	34.6
Research 3/:																	
1990	NA	NA	NA	720.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1991	NA	NA	NA	840.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Development 3/:																	
1990	NA	NA	NA	476.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1991	NA	NA	NA	482.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
R&D plant:																	
1963	105.9	.0	.0	.0	NA	NA	2.6	NA	39.2	NA	.1	NA	NA	13.4	50.6	NA	NA
1964	100.8	.0	.0	.0	NA	NA	4.0	NA	39.9	NA	.0	NA	NA	9.1	47.8	NA	NA
1965	126.2	3.2	.0	.0	NA	NA	3.8	NA	54.8	NA	**	NA	NA	8.4	56.0	NA	NA
1966	114.8	2.0	.0	.0	NA	NA	7.4	NA	48.5	NA	.2	NA	NA	7.4	49.3	NA	NA
1967	111.3	2.0	.3	.0	NA	NA	13.8	NA	38.1	NA	.0	NA	NA	5.0	52.1	NA	NA
1968	96.1	1.9	.2	.0	.0	NA	11.9	NA	36.9	.0	.0	NA	.0	.0	45.3	NA	.0
1969	54.5	1.2	.0	.0	.0	NA	11.4	NA	20.5	.0	**	.0	.0	.0	21.4	NA	NA
1970	44.8	1.1	**	.0	.0	NA	7.1	NA	20.0	.0	.0	.0	.0	.0	16.5	NA	.0
1971	29.9	.0	.0	.0	.0	NA	4.8	.0	15.2	.0	.0	.0	.0	.2	9.7	NA	.0
1972	36.9	.0	.0	.0	.0	NA	4.1	.0	22.2	.0	.0	.0	.0	.6	10.0	NA	.0
1973	43.3	.0	.3	.0	.0	NA	5.6	.0	26.7	.0	.2	.0	.0	3.0	7.4	NA	.0
1974	29.0	.0	.0	.0	.0	NA	4.2	.0	14.5	.0	.0	.0	.0	.1	10.2	NA	.0
1975	44.8	.0	.0	.0	NA	NA	4.2	.0	22.9	.0	.0	.0	.0	.1	17.6	.0	.0
1976	23.9	.0	1.0	.0	NA	NA	5.6	.0	11.4	.0	.0	.0	.0	.1	5.9	.0	.0
1977	36.5	.0	.0	.0	NA	NA	17.5	.0	11.1	.0	.0	.0	.0	**	7.3	.0	.5
1978	34.3	.0	.0	.0	NA	NA	13.4	**	9.9	.0	.0	.0	.0	.0	11.0	.0	**
1979	32.1	.0	.0	.0	NA	NA	9.1	.0	7.5	.0	.0	.5	.0	.2	14.7	.0	.0
1980	37.8	.0	.0	.0	NA	.0	20.6	.0	4.4	.0	.0	.0	.0	.2	12.6	.0	.0
1981	27.7	.0	.0	1.1	NA	.0	19.6	.0	2.0	.0	.0	.0	.0	.1	4.9	.0	.0
1982	31.2	.0	.0	.5	NA	.0	18.8	1.4	5.4	.0	.0	.0	.0	.2	4.9	.0	.0
1983	37.5	9.6	.0	.0	NA	.0	17.2	.1	1.5	.0	.0	.0	.0	1.5	7.7	.0	.0
1984	49.8	9.6	.0	.0	NA	.0	29.5	.1	.7	.0	.0	.0	.0	.3	9.7	.0	.0
1985	113.9	9.6	.0	**	NA	.0	77.7	.1	11.4	.0	.0	.0	.0	.2	14.9	.0	.0
1986	105.8	9.1	1.2	.0	NA	1.8	73.0	.0	4.2	.0	.0	.0	.0	.4	16.0	.0	.0
1987	229.9	65.4	.1	.0	NA	49.2	102.9	.0	4.2	.0	.0	.0	.0	.6	7.4	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table 5. Federal obligations to universities and colleges, by type of activity and agency: fiscal years 1963-91

[Dollars in millions]

Activity and year	Total	USDA	Com	DoD	OEO	Ed	DOE 1/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
R&D plant, continued:																	
1988	202.9	68.0	.0	.0	NA	1.3	127.7	.0	.0	.0	.0	.0	.0	.6	5.4	.0	.0
1989	237.0	31.1	1.2	57.9	NA	1.3	115.5	.0	22.0	.0	.0	.0	.0	1.2	6.7	.0	.0
1990	124.8	45.1	.1	.0	NA	.0	57.2	.0	13.7	.0	.0	.0	.0	1.3	7.5	.0	.0
1991	151.7	58.3	.3	14.7	NA	2.1	41.3	.0	25.5	.0	.0	.0	.0	.8	8.8	.0	.0
Facilities for instruction:																	
1971 4/	28.7	.3	.0	.0	.0	NA	2.3	.0	13.9	.0	.1	.0	.0	.0	12.1	NA	.0
1972	26.3	.5	.0	.0	.0	NA	1.9	.0	20.9	.0	.0	.0	.0	.0	3.0	NA	.0
1973	13.4	.0	.0	.0	.0	NA	2.3	.0	9.4	.0	.1	.0	.0	.0	1.6	NA	.0
1974	3.5	.0	.0	.0	.0	NA	.0	.0	.4	.0	**	.0	.0	.0	3.1	NA	.0
1975	5.0	.0	.1	.0	NA	NA	.0	.0	4.9	.0	.0	.0	.0	.0	**	.0	.0
1976	3.2	.0	.3	.0	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0
1977	3.3	.0	.0	.0	NA	NA	.4	.0	0	.0	.0	.0	.0	.0	2.9	.0	.0
1978	4.9	.0	.0	.0	NA	NA	1.3	.0	.0	.0	**	.0	.0	.0	3.5	.0	.0
1979	6.7	.0	.0	.0	NA	NA	3.5	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0
1980	3.8	.0	.0	.0	NA	.0	.9	.1	.0	.0	.0	.0	.0	.0	2.8	.0	.0
1981	4.6	.0	.0	.2	NA	.0	1.1	**	.0	.0	.0	.0	.0	.0	3.2	.0	.0
1982	.8	.0	.0	**	NA	.0	.8	.0	0	.0	.0	.0	.0	.0	.0	.0	.0
1983	2.5	.0	.0	**	NA	.0	2.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1984	1.9	.0	1.6	.3	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1985	4.9	.0	.0	.0	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.1	.0
1986	5.0	.0	.0	.0	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0
1987	13.7	.0	.0	.0	NA	5.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	.0
1988	13.3	.0	2.5	.0	NA	.0	.0	.0	.0	.0	.4	.0	.0	.0	10.4	.0	.0
1989	16.9	.0	1.6	.0	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.3	.0	.0
1990	19.2	.0	4.5	.0	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.7	.0	.0
1991	32.7	.0	4.7	**	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.8	.0	6.2
Fellowships, traineeships, & training grants:																	
1966 4/	365.6	NA	.0	NA	NA	NA	3.2	NA	289.9	NA	.0	NA	NA	25.0	47.5	NA	NA
1967	447.2	NA	.0	NA	NA	NA	3.7	NA	379.2	NA	.0	NA	NA	15.0	49.4	NA	NA
1968	440.9	NA	.0	NA	.0	NA	3.6	NA	387.0	NA	.0	NA	.0	.9	49.4	NA	.0
1969	436.3	NA	.0	NA	.0	NA	5.5	NA	375.7	NA	.0	NA	.0	1.3	53.8	NA	NA
1970	429.4	NA	.0	NA	.0	NA	5.0	NA	369.6	NA	**	.0	.0	2.1	52.7	NA	.0
1971	421.0	.0	**	.0	.0	NA	2.6	10.1	361.4	.0	.0	.0	.6	1.0	42.3	NA	2.8
1972	387.9	.0	.4	.0	.0	NA	2.0	5.6	346.6	.0	.0	.0	.0	1.1	28.8	NA	3.5
1973	267.2	.0	.6	.0	.0	NA	2.3	9.2	256.6	.0	.0	.0	.0	1.3	16.4	NA	.7
1974	326.6	.0	**	.0	.7	NA	.5	6.8	301.5	.0	.0	.0	.0	1.2	14.4	NA	1.3
1975	201.3	.0	**	.0	NA	NA	.7	5.0	181.7	.0	.0	.0	.0	1.3	9.7	.0	2.7
1976	174.9	.0	.0	.0	NA	NA	.1	3.6	155.6	.0	.0	.0	.0	1.3	13.4	**	.6
1977	184.7	.0	.0	.0	NA	NA	.2	1.3	165.9	.0	.0	.0	.0	1.4	14.8	.1	.8
1978	205.9	.0	.0	.0	NA	NA	.7	3.8	184.2	.0	3.2	.6	.0	1.3	11.7	**	.6
1979	204.9	.0	.0	.0	NA	NA	1.9	4.5	182.3	.0	.3	.0	.0	1.8	14.1	.0	.0
1980	210.1	.0	.0	.0	NA	.0	.0	4.5	187.6	.0	1.4	.0	.0	2.8	13.8	.0	.0
1981	205.4	.0	.0	.0	NA	.0	.0	2.4	183.5	.0	.9	.0	.0	3.7	14.8	.1	.0
1982	176.6	.0	.0	.0	NA	.0	.3	2.5	151.9	.0	.0	.0	.0	4.2	17.5	.0	.4
1983	189.8	.2	.2	.7	NA	.0	.2	2.6	164.0	.0	.0	.0	.0	5.2	16.2	.0	.3
1984	194.9	.2	.1	.0	NA	.0	.6	1.8	164.6	.0	.0	.0	.0	5.3	21.8	.0	.4
1985	253.1	7.0	.1	.8	NA	.0	.4	2.1	210.9	.0	.0	.0	.0	5.6	25.8	.0	.4
1986	246.2	4.7	.0	.5	NA	.0	.6	2.8	204.3	.0	.0	.0	.0	7.9	25.2	.0	.2
1987	290.9	4.7	.6	2.3	NA	11.8	.6	1.8	232.5	.0	.0	.0	.0	8.7	27.7	.0	.2
1988	309.3	4.6	2.6	1.5	NA	13.5	.7	2.0	239.3	.0	.0	.0	.0	**	15.8	29.2	.0	.0
1989	340.5	4.6	1.2	.1	NA	22.9	.9	8.3	256.2	.0	**	.0	.0	**	13.0	33.0	.0	.2
1990	393.8	7.8	.7	.1	NA	26.5	1.6	3.5	288.9	.0	.0	.0	.0	.0	21.7	41.0	.0	.1
1991	472.9	10.9	3.9	1.2	NA	53.5	12.4	8.0	311.5	.0	.0	.0	.0	.0	36.3	34.5	.0	.6

See explanatory information, if any, and SOURCE at end of table.

Table 5. Federal obligations to universities and colleges, by type of activity and agency: fiscal years 1963-91

[Dollars in millions]

Activity and year	Total	USDA	Com	DoD	OEO	Ed	DOE 1/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
General support for science & engineering:																	
1971 4/ ..	99.7	.0	.2	.0	.0	NA	.0	.0	40.2	.0	1.1	.0	1.2	.0	56.9	NA	.0
1972	83.3	.0	1.5	.0	.0	NA	.0	.0	40.7	.0	1.2	5.2	.0	.0	34.7	NA	.0
1973	39.0	.0	.0	.0	.0	NA	.0	.0	20.2	.0	1.3	2.3	.9	.0	14.2	NA	.0
1974	87.0	.0	.5	.0	.0	NA	.0	.0	64.2	.0	1.6	1.5	1.4	.0	17.8	NA	.0
1975	46.4	.0	1.8	.0	NA	NA	.0	.0	37.3	.0	1.6	4.2	1.5	.0	.0	.0	.0
1976	74.5	.0	4.4	.0	NA	NA	.0	.0	41.8	.0	2.4	2.8	1.5	.0	21.6	.0	.0
1977	75.9	.0	.0	.0	NA	NA	2.5	.0	42.0	.0	1.8	4.1	.0	.0	24.8	.7	.0
1978	74.4	.0	.0	.0	NA	NA	.3	.0	45.0	.0	5.0	.0	.0	.0	23.8	.0	.3
1979	92.5	4.7	.0	.0	NA	NA	**	1.3	52.8	.0	4.4	.0	.0	.0	29.4	.0	.0
1980	91.5	.0	.0	.0	NA	.0	5.6	.0	60.1	.0	2.3	.0	.0	.0	23.2	.4	.0
1981	92.7	.0	.0	7.1	NA	.0	.0	.9	60.0	.0	3.1	.0	.0	.0	21.0	.0	.7
1982	80.1	.0	.0	4.8	NA	.0	**	1.7	61.3	2.0	6.8	.0	.0	.0	3.5	.0	.0
1983	94.8	.0	.0	3.2	NA	**	3.7	1.8	73.6	.4	11.2	.0	.0	.0	1.2	.0	.0
1984	112.6	.0	20.3	3.7	NA	.0	.6	2.7	83.9	.0	.0	.0	.0	.0	1.5	.0	.0
1985	119.2	.0	**	1.8	NA	.0	.4	1.1	112.5	.0	.3	.0	.0	.0	3.0	.0	.0
1986	111.1	.0	**	2.1	NA	.0	.0	.0	106.1	.0	.0	.0	.0	.0	2.8	.0	.0
1987	236.9	.0	.0	5.9	NA	108.1	.0	4.3	113.1	.0	.0	.0	.0	.0	5.5	.0	.0
1988	171.8	.0	.0	2.5	NA	54.8	.2	.0	109.0	.0	2.1	.0	.0	.0	3.4	.0	.0
1989	197.7	.0	.0	1.8	NA	80.2	.0	.0	109.5	.0	3.3	.0	.0	.0	2.9	.0	.0
1990	143.9	.0	1.0	.0	NA	30.1	.5	3.1	102.2	.0	2.7	.0	.0	.0	4.3	.0	.0
1991	192.6	.0	29.4	.0	NA	31.8	.2	3.5	108.7	.0	12.5	.0	.0	.0	6.4	.0	.0
Other science & engineering activities:																	
1963	393.1	63.4	.3	.0	NA	NA	5.3	NA	208.9	NA	**	NA	NA	14.1	101.1	NA	NA
1964	452.2	67.5	.6	.0	NA	NA	5.4	NA	244.6	NA	**	NA	NA	20.2	113.9	NA	NA
1965	595.0	73.3	.6	.0	NA	NA	5.9	NA	359.8	NA	**	NA	NA	25.4	130.1	NA	NA
1966	431.0	76.1	.7	.0	NA	NA	3.1	NA	263.4	NA	.2	NA	NA	2.3	85.2	NA	NA
1967	464.0	78.8	.7	.0	NA	NA	2.5	NA	256.7	NA	**	NA	NA	2.4	122.8	NA	NA
1968	414.5	80.1	1.0	.0	.0	NA	2.5	NA	186.4	.7	.4	NA	.0	2.8	140.5	NA	**
1969	395.9	91.1	.5	**	.0	NA	1.0	NA	198.4	.1	.9	.0	.0	3.7	100.2	NA	NA
1970	266.8	113.5	.7	**	.0	NA	1.0	NA	32.2	.0	.6	.0	.0	1.7	117.0	NA	.0
1971	212.4	139.5	.5	.0	.0	NA	.3	.0	15.9	.0	.0	2.0	.1	4.2	49.9	NA	.0
1972	211.6	149.5	.6	.0	.0	NA	.5	.0	8.6	.0	.0	.0	.0	4.9	47.5	NA	.0
1973	210.8	163.0	2.7	.0	.0	NA	.8	.0	8.0	.0	.0	.0	.4	4.5	31.4	NA	.0
1974	205.7	164.0	2.2	.0	.0	NA	.2	.0	5.7	.0	.0	.0	.0	5.7	27.9	NA	.0
1975	262.3	180.2	1.7	.0	NA	NA	.1	.0	15.3	.0	.0	.0	**	6.4	58.6	**	.0
1976	252.2	204.4	3.6	.0	NA	NA	.3	.0	17.1	.0	.1	.0	.0	10.7	16.0	.0	.0
1977	248.0	201.0	.3	.0	NA	NA	.3	.0	15.4	.0	.3	.0	.0	5.9	24.9	.0	.0
1978	254.5	216.4	.9	.0	NA	NA	.3	.0	4.1	.0	.0	2.6	.0	4.4	25.6	.0	.2
1979	263.0	224.0	1.5	.0	NA	NA	3.0	.1	6.9	.0	.0	.0	.0	4.7	22.4	.4	.0
1980	287.2	232.3	1.2	.0	NA	.0	2.8	.0	3.4	.0	.0	.0	.0	6.9	40.2	.5	.0
1981	321.5	250.0	.7	17.1	NA	.0	7.9	**	5.3	.0	**	.0	.0	5.7	34.4	.4	**
1982	336.4	273.2	.6	38.2	NA	.0	3.1	.2	3.6	**	.0	.0	.0	4.8	12.4	.0	.0
1983	331.8	282.3	.6	22.9	NA	.0	**	.5	2.8	.1	**	.0	.0	7.8	14.8	.0	.0
1984	500.1	324.7	8.2	122.8	NA	.0	.7	**	3.5	.0	.0	.0	**	7.1	33.0	.0	.0
1985	520.5	335.7	1.4	149.5	NA	.0	.1	.0	6.5	.0	.0	.0	**	7.9	19.0	.3	**
1986	508.0	316.8	.8	148.5	NA	.0	**	.0	9.1	.0	.0	.0	.0	7.9	22.9	.0	**
1987	554.8	308.8	.8	171.4	NA	21.4	.0	1.1	10.3	.0	.0	.0	.0	6.9	32.7	.0	1.8
1988	719.8	347.9	.5	179.3	NA	116.4	.0	.0	9.6	.0	.0	.0	.0	7.8	55.3	.0	2.9
1989	759.9	349.9	3.8	206.1	NA	96.6	.1	.0	16.5	.0	.0	.0	.0	12.0	71.8	.0	3.1
1990	755.5	360.0	6.8	145.2	NA	130.4	.0	.0	19.2	.0	.0	.0	.0	17.5	73.0	.0	3.3
1991	950.4	389.4	21.8	200.2	NA	164.6	.0	.1	16.6	.0	.1	.0	.0	22.1	132.1	.0	3.5

See explanatory information, if any, and SOURCE at end of table.

Table 5. Federal obligations to universities and colleges, by type of activity and agency: fiscal years 1963-91

[Dollars in millions]

Activity and year	Total	USDA	Com	DoD	OEO	Ed	DOE 1/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Non-science & engineering activities:																	
1963	84.5	.0	.0	.0	NA	NA	.0	NA	84.3	NA	.2	NA	NA	.0	.0	NA	NA
1964	96.4	.0	.0	.0	NA	NA	.0	NA	96.2	NA	.2	NA	NA	.0	.0	NA	NA
1965	489.3	**	.0	.0	NA	NA	.0	NA	489.1	NA	.1	NA	NA	.0	.0	NA	NA
1966	846.4	**	.0	.0	NA	NA	.0	NA	843.1	NA	3.4	NA	NA	.0	.0	NA	NA
1967	993.9	**	3.5	.0	NA	NA	.0	NA	986.8	NA	3.5	NA	NA	.0	.0	NA	NA
1968	1,036.8	.0	1.8	.0	42.2	NA	.0	NA	992.8	.0	.0	NA	.0	.0	.0	NA	.1
1969	1,101.0	.0	1.8	**	51.1	NA	.0	NA	1,040.6	**	.0	6.1	1.3	.0	.0	NA	NA
1970	1,049.0	.0	1.0	**	16.7	NA	.0	NA	1,024.2	**	.0	5.4	1.7	.0	.0	NA	.0
1971	1,155.5	.0	2.0	.0	21.1	NA	.0	.0	1,132.3	.0	**	.0	.0	.0	.0	NA	.0
1972	1,545.6	.0	.0	.0	21.7	NA	.0	.0	1,523.5	.0	.1	.0	.2	.0	.0	NA	.0
1973	1,374.7	.0	.1	.0	21.3	NA	**	.0	1,351.2	.0	.1	.0	2.0	.0	.0	NA	.0
1974	1,743.4	.0	.1	.0	5.9	NA	.0	.0	1,735.0	2.2	.0	.0	.1	.0	.0	NA	.0
1975	1,741.4	.0	.7	.0	NA	NA	.0	.0	1,740.6	.0	**	.0	.0	.0	.0	.1	.0
1976	2,443.1	.0	.9	.0	NA	NA	.0	.0	2,442.1	.0	.1	.0	.0	.0	.0	**	.0
1977	3,138.4	3.5	.0	.0	NA	NA	3.7	.0	3,130.5	.0	.0	.0	.0	.0	.0	.2	.5
1978	3,512.0	3.2	.0	.0	NA	NA	2.5	1.1	3,503.1	.0	1.5	.0	.0	.0	.0	.4	.2
1979 2/ ..	3,131.2	4.5	.0	.0	NA	NA	1.0	1.4	1,719.1	.0	.0	.0	2.6	.0	.0	**	.0
1980	3,507.8	4.3	.6	.0	NA	2,784.0	2.7	1.9	704.7	.0	3.3	.0	5.9	.0	.0	**	.3
1981 2/ ..	3,578.1	4.2	.0	22.2	NA	2,213.8	5.3	3.1	386.2	.0	4.5	.0	2.2	.0	.0	.2	.5
1982 2/ ..	3,597.4	2.4	.0	15.8	NA	3,207.1	7.1	1.6	292.1	.0	.2	.0	2.1	.0	.0	.2	.0
1983 2/ ..	3,664.0	4.0	.0	14.6	NA	1,691.1	6.1	.9	207.5	.0	3.9	.0	3.1	.0	.0	.1	3.0
1984	3,731.5	4.2	.2	11.1	NA	3,473.4	6.2	1.0	214.3	.2	13.5	.0	3.9	.0	.0	.3	3.0
1985	3,713.7	4.0	.2	6.0	NA	3,449.1	3.0	.9	232.1	.2	11.3	.0	3.4	.0	.0	.0	3.6
1986	4,188.4	3.5	.0	7.8	NA	3,922.5	**	.0	237.7	.2	10.0	.0	2.8	.0	.0	.0	3.8
1987	4,866.5	3.7	4.7	19.4	NA	4,570.0	**	.0	257.7	.3	7.1	.0	2.9	.0	.0	.0	.8
1988	4,930.3	5.1	6.0	6.4	NA	4,610.6	1.4	.0	284.4	.0	11.6	.0	2.9	.0	.0	.0	.0
1989	5,429.0	6.9	7.4	1.3	NA	5,109.3	.7	.0	288.4	**	12.0	.0	2.7	.0	.0	.0	.3
1990	4,754.4	7.7	5.3	.0	NA	4,418.4	.8	.0	302.4	**	15.5	.0	2.7	.0	.0	.0	1.7
1991	5,600.2	8.7	13.6	190.4	NA	4,998.8	3.3	.0	361.5	.0	20.0	.0	3.4	.0	.0	.0	.4

1/ Data shown for fiscal years 1963-74 and fiscal years 1975-77 represent obligations of the Atomic Energy Commission and the Energy Research and Development Administration, respectively.

2/ The total figures for "Total" obligations and "Non-science & engineering" obligations were estimated on the basis of revised data from the Department of Education. The data reported under the Department of Education columns for "Total" and "Non-science & engineering" obligations, however, were not revised because new detail was not available for individual institutions.

3/ Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-administered laboratories that are separate from the academic departments.

4/ Data collected before this year are not separately identified but are included under "Other science & engineering activities."

NOTE: Note that some trend shifts are related to institutional reclassification. As of 1978, two laboratories that were formerly considered academically administered federally funded research and development centers became part of their respective institutions: Applied Physics Laboratory (Johns Hopkins University) and Applied Research Laboratory (Pennsylvania State University). Data for these laboratories are thus included in the academic figures for 1978-91, but excluded for prior years. Similarly, Draper Laboratories separated from the Massachusetts Institute of Technology as of fiscal year 1974 to become an independent nonprofit institution; academic data shown for 1963-73 include Draper Laboratories, whereas those for 1974-91 do not.

KEY:
AID = Agency for International Development
Com = Department of Commerce
DoD = Department of Defense
DOE = Department of Energy
DOT = Department of Transportation
Ed = Department of Education
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
HUD = Department of Housing and Urban Development
Int = Department of the Interior
NA = not available
NASA = National Aeronautics and Space Administration
NRC = Nuclear Regulatory Commission
NSF = National Science Foundation
OEO = Office of Economic Opportunity
USDA = U.S. Department of Agriculture
** = amount less than $50,000

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1991

Table 6. Federal obligations to universities and colleges, by geographic division and State: fiscal years 1984-91

[Dollars in thousands]

Geographic division and State	1984	1985	1986	1987	1988	1989	1990	1991
United States, total	10,039,468	10,971,593	11,619,243	13,433,783	14,066,480	15,503,629	15,197,512	17,414,781
New England, total	966,950	1,056,037	1,088,619	1,174,983	1,206,431	1,321,470	1,322,784	1,484,163
Connecticut	181,372	206,377	197,087	231,719	231,478	248,533	244,813	266,051
Maine	37,740	35,021	37,829	42,533	38,712	45,750	43,461	47,358
Massachusetts	603,339	665,491	691,989	724,731	742,505	839,682	829,800	926,556
New Hampshire	36,771	41,560	44,557	55,356	53,292	55,679	70,235	82,366
Rhode Island	62,053	66,828	73,428	72,131	77,967	78,324	81,884	96,206
Vermont	45,675	40,740	43,729	48,513	62,477	53,502	52,591	65,626
Middle Atlantic, total	1,604,269	1,740,096	1,814,007	2,129,924	2,314,463	2,330,406	2,291,112	2,636,537
New Jersey	153,243	162,819	171,673	187,917	204,561	224,745	230,188	262,624
New York	963,879	1,027,688	1,055,110	1,297,802	1,367,822	1,342,319	1,278,195	1,428,796
Pennsylvania	487,147	549,789	587,224	644,205	742,080	763,342	782,729	945,117
East North Central, total	1,424,973	1,566,685	1,645,494	1,911,264	1,910,221	2,187,914	2,136,859	2,468,550
Illinois	389,210	451,905	464,929	565,116	541,870	604,137	570,175	636,969
Indiana	191,087	205,299	208,978	216,780	219,807	256,735	271,269	322,053
Michigan	306,049	310,407	329,715	408,922	433,177	504,247	475,492	554,145
Ohio	310,416	343,214	372,105	410,374	412,776	461,694	489,477	577,107
Wisconsin	228,211	255,860	269,767	310,072	302,591	361,101	330,446	378,276
West North Central, total	695,600	756,245	809,974	951,665	970,064	1,105,342	1,052,921	1,211,062
Iowa	126,339	137,393	151,369	187,190	196,382	220,887	199,045	225,592
Kansas	75,766	91,090	87,016	115,017	113,502	128,654	104,277	130,742
Minnesota	176,973	194,911	215,114	237,634	240,476	295,934	264,458	304,244
Missouri	185,121	194,242	209,222	244,417	254,409	284,354	288,185	323,817
Nebraska	59,508	63,329	65,148	78,139	74,875	80,646	78,323	100,068
North Dakota	39,129	39,577	42,252	44,556	54,401	50,960	75,007	79,088
South Dakota	32,764	35,703	39,843	44,712	36,019	43,907	43,626	47,511
South Atlantic, total	1,853,476	1,992,488	2,097,238	2,423,831	2,604,199	2,828,185	2,762,589	3,193,741
Delaware	22,787	22,676	21,826	23,802	27,618	29,704	31,393	36,985
District of Columbia	298,112	306,263	292,741	307,618	307,405	309,452	325,621	355,473
Florida	207,064	215,260	238,537	311,472	358,838	396,804	347,463	430,172
Georgia	200,224	215,878	244,230	277,269	306,229	317,807	298,295	378,082
Maryland	523,864	573,326	602,952	691,090	761,456	804,615	803,123	870,830
North Carolina	293,593	312,939	330,537	395,400	412,890	473,274	466,301	534,478
South Carolina	88,714	102,661	107,436	137,818	126,927	136,683	120,687	151,808
Virginia	171,182	196,052	205,191	221,963	233,223	281,204	297,852	342,508
West Virginia	47,936	47,413	53,788	57,399	69,613	78,642	71,854	93,405
East South Central, total	534,940	578,076	637,408	739,605	755,894	818,676	845,157	972,519
Alabama	177,720	187,290	221,934	251,515	249,118	262,716	280,311	326,938
Kentucky	99,680	111,787	115,801	119,942	124,852	144,745	144,244	167,503
Mississippi	86,582	90,461	99,653	144,632	146,500	157,578	144,445	157,691
Tennessee	170,958	188,538	200,020	223,516	235,424	253,637	276,157	318,387
West South Central, total	728,834	804,209	862,889	1,028,310	1,131,626	1,285,890	1,224,761	1,440,533
Arkansas	58,480	62,892	66,562	74,954	84,001	97,141	100,897	124,116
Louisiana	124,840	136,267	151,017	172,732	199,174	254,787	222,016	273,413
Oklahoma	79,334	91,892	98,231	117,163	127,973	127,343	132,103	159,219
Texas	466,180	511,138	547,079	663,461	720,480	806,619	769,743	883,783
Mountain, total	544,124	583,843	615,353	725,130	783,767	898,091	906,614	1,063,270
Arizona	100,477	113,011	113,918	153,147	163,702	186,363	175,344	199,448
Colorado	154,088	167,710	171,849	205,268	230,491	248,105	257,058	300,486
Idaho	31,163	32,884	33,242	31,917	39,011	49,910	41,735	57,715
Montana	23,397	25,361	28,611	37,488	34,262	40,921	44,686	52,384
Nevada	14,907	18,284	19,692	25,893	20,986	27,383	35,677	33,046
New Mexico	102,783	101,449	120,338	109,082	110,641	126,652	127,635	165,150
Utah	97,097	112,771	124,664	142,526	163,120	194,328	204,543	231,720
Wyoming	20,212	22,373	13,039	19,809	21,554	24,429	19,936	23,321
Pacific, total	1,484,992	1,659,769	1,774,161	2,050,783	2,138,490	2,465,520	2,390,177	2,639,680
Alaska	18,093	18,500	24,498	22,524	23,955	24,845	33,240	35,143
California	1,056,025	1,200,802	1,271,140	1,471,977	1,540,181	1,769,300	1,726,479	1,887,307
Hawaii	38,299	50,421	47,676	58,671	58,779	84,753	71,165	83,720
Oregon	125,405	126,494	158,692	195,602	181,597	214,803	181,678	211,371
Washington	247,170	263,552	272,155	302,009	333,978	371,819	377,615	422,139

See explanatory information, if any, and SOURCE at end of table.

Table 6. Federal obligations to universities and colleges, by geographic division and State: fiscal years 1984-91

[Dollars in thousands]

Geographic division and State	1984	1985	1986	1987	1988	1989	1990	1991
Outlying areas, total	201,310	234,145	274,100	298,288	251,323	262,135	264,538	304,726
Guam	2,443	6,153	5,711	11,105	4,203	4,530	4,150	4,359
Puerto Rico	191,938	219,555	259,211	278,117	240,524	250,706	250,141	289,747
American Samoa	2,021	625	810	1,169	788	921	1,555	1,727
Virgin Islands	1,713	2,768	2,009	4,942	3,093	3,040	3,299	3,492
Trust Territory Pac Isl	3,195	5,044	6,359	2,955	2,735	2,938	5,393	5,401

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1991

Table 7. Federal obligations to universities and colleges, by agency and type of activity: fiscal year 1991

[Dollars in thousands]

Agency	Total, all activities	Academic science and engineering							Non-science and engineering activities
		Total academic science and engineering	Research and development	R&D plant	Facilities for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science and engineering	Other science and engineering activities	
Total	17,414,781	11,814,539	10,014,322	151,708	32,652	472,871	192,590	950,396	5,600,242
Department of Agriculture	876,162	867,424	406,784	58,340	0	10,929	0	389,371	8,738
Department of Commerce	135,550	121,910	61,654	297	4,687	3,656	29,429	21,785	13,640
Department of Defense, total	1,729,637	1,539,231	NA	14,700	5	1,240	0	200,190	190,406
Army	267,782	195,233	NA	0	5	645	0	7,760	72,549
Navy	927,582	847,623	NA	0	0	595	0	154,795	79,959
Air Force	310,571	282,376	NA	0	0	0	0	27,707	28,195
Other Department of Defense	223,702	213,999	NA	14,700	0	0	0	9,928	9,703
Department of Defense, research 1/	NA	NA	840,457	NA	NA	NA	NA	NA	NA
Army	NA	NA	136,813	NA	NA	NA	NA	NA	NA
Navy	NA	NA	422,796	NA	NA	NA	NA	NA	NA
Air Force	NA	NA	221,610	NA	NA	NA	NA	NA	NA
Other Department of Defense	NA	NA	57,238	NA	NA	NA	NA	NA	NA
Department of Defense, development 1/	NA	NA	482,839	NA	NA	NA	NA	NA	NA
Army	NA	NA	48,010	NA	NA	NA	NA	NA	NA
Navy	NA	NA	269,437	NA	NA	NA	NA	NA	NA
Air Force	NA	NA	33,059	NA	NA	NA	NA	NA	NA
Other Department of Defense	NA	NA	132,133	NA	NA	NA	NA	NA	NA
Department of Education	5,342,935	344,157	92,098	2,100	0	53,484	31,832	164,643	4,998,778
Department of Energy	662,223	658,905	605,064	41,256	0	12,427	158	0	3,318
Environmental Protection Agency	115,925	115,925	104,324	0	0	8,039	3,496	66	0
Dept of Health & Human Services, total	6,124,906	5,763,400	5,301,122	25,456	0	311,459	108,726	16,637	361,506
National Institutes of Health	4,968,252	4,968,252	4,549,100	20,575	0	274,219	108,726	15,632	0
Health Resources & Services Admin	297,580	6,543	6,825	0	0	1,718	0	0	289,037
Alcohol, Drug Abuse, & Mental Health Admin	696,753	658,916	620,844	4,881	0	32,186	0	1,005	37,837
Centers for Disease Control	64,094	34,024	34,024	0	0	0	0	0	30,070
Agency for Health Care Policy Research	43,610	43,610	41,260	0	0	2,350	0	0	0
Food and Drug Admin	12,289	12,289	12,289	0	0	0	0	0	0
Admin for Children & Families	17,775	17,775	17,775	0	0	0	0	0	0
Health Care Financing Admin	10,108	10,108	10,108	0	0	0	0	0	0
Indian Health Service	1,926	92	0	0	0	92	0	0	1,834
Social Security Admin	3,061	3,061	3,061	0	0	0	0	0	0
Office of the Assistant Secretary for Health	1,934	185	185	0	0	0	0	0	1,749
Admin on Aging	2,085	2,085	1,191	0	0	894	0	0	0
Agency for Toxic Substances & Disease Registry	1,022	43	43	0	0	0	0	0	979
Other DHHS	4,417	4,417	4,417	0	0	0	0	0	0
Department of Housing & Urban Develop	47	47	47	0	0	0	0	0	0
Department of the Interior	100,420	80,390	67,810	0	0	0	12,510	70	20,030
Agency for International Development	31,929	31,929	31,929	0	0	0	0	0	0
Department of Labor	9,221	5,833	5,833	0	0	0	0	0	3,388
National Aeronautics & Space Admin	592,923	592,923	533,728	754	0	36,338	0	22,103	0
National Science Foundation	1,642,261	1,642,261	1,436,636	8,805	21,781	34,535	6,439	132,065	0
Nuclear Regulatory Commission	5,366	5,366	5,366	0	0	0	0	0	0
Department of Transportation	45,276	44,838	34,631	0	6,179	562	0	3,466	438

1/ Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-administered laboratories that are separate from the academic departments.

KEY: NA = not available

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1991

Table 8. Federal obligations to universities and colleges, by geographic division, State, and agency: fiscal year 1991

[Dollars in thousands]

Geographic division and State	Total	USDA	Com	DoD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
United States, total	17,414,781	876,162	135,550	1,729,637	5,342,935	662,223	115,925	6,124,906	100,420	592,923	1,642,261	91,839
New England, total	1,484,163	49,165	15,710	142,685	295,029	100,025	10,011	621,068	3,668	52,867	186,590	7,145
Connecticut	266,051	4,989	3,828	7,994	39,615	10,664	731	176,809	120	1,695	19,449	157
Maine	47,358	6,468	294	639	33,743	140	570	1,878	456	308	2,751	91
Massachusetts	926,556	21,413	5,228	118,340	151,910	84,148	6,674	357,117	1,868	39,102	134,940	5,816
New Hampshire	82,366	4,176	1,792	3,880	18,350	1,496	866	34,417	474	9,372	7,288	253
Rhode Island	96,206	4,969	4,568	9,933	30,244	2,947	586	20,064	592	2,273	19,296	734
Vermont	65,626	7,130	0	2,099	21,167	630	582	30,783	158	117	2,866	94
Middle Atlantic, total	2,636,537	62,861	12,118	282,461	650,262	85,310	14,656	1,159,784	5,826	46,636	311,747	4,876
New Jersey	262,624	11,628	1,991	22,769	80,840	7,811	4,177	88,246	413	5,819	38,216	714
New York	1,428,796	28,657	9,139	73,483	354,220	56,640	5,110	685,694	1,831	23,880	186,161	1,981
Pennsylvania	945,117	22,576	988	186,209	215,202	20,859	5,369	385,844	3,582	16,937	85,370	2,181
East North Central, total	2,468,550	115,980	11,322	140,200	891,470	95,344	16,605	807,259	4,642	75,602	283,612	16,314
Illinois	636,969	23,431	2,373	40,742	210,527	23,971	1,772	211,519	978	11,312	107,994	2,350
Indiana	322,053	21,776	176	16,945	133,492	20,779	1,172	76,035	670	4,506	44,948	1,554
Michigan	554,145	25,650	4,314	24,743	189,735	14,216	3,758	203,706	1,426	23,865	60,294	2,438
Ohio	577,107	22,281	1,458	41,950	234,123	16,071	8,538	181,793	564	23,016	38,522	8,791
Wisconsin	378,276	22,842	3,001	15,820	123,593	20,307	1,365	134,206	1,004	13,103	41,854	1,181
West North Central, total	1,211,062	135,777	4,931	32,733	444,663	37,710	6,105	421,692	11,877	21,886	77,996	15,692
Iowa	225,592	31,218	2,034	5,644	69,042	6,242	1,205	82,632	442	10,119	12,766	4,248
Kansas	130,742	16,272	150	2,145	58,093	7,050	2,187	32,962	351	2,551	7,260	1,721
Minnesota	304,244	19,660	1,325	12,653	111,111	5,533	1,799	117,622	1,034	3,680	29,409	218
Missouri	323,817	22,929	852	6,684	103,865	3,390	567	162,638	2,004	4,032	16,332	524
Nebraska	100,068	18,655	385	3,377	38,489	6,528	229	19,611	797	720	8,119	3,158
North Dakota	79,088	17,986	85	1,442	35,042	8,827	0	4,577	3,290	181	2,100	5,558
South Dakota	47,511	8,857	100	788	29,021	140	118	1,650	3,959	603	2,010	265
South Atlantic, total	3,193,741	149,085	30,434	633,045	928,874	94,898	29,060	1,003,684	10,251	91,524	200,985	21,921
Delaware	36,985	4,789	1,710	3,956	12,995	760	379	4,517	236	1,614	6,028	1
District of Columbia	355,473	2,344	421	24,922	241,308	1,367	870	63,011	145	7,195	12,890	1,000
Florida	430,172	21,174	6,536	36,771	159,947	15,891	2,823	123,579	1,727	11,357	48,519	1,848
Georgia	378,062	26,294	2,797	82,374	96,820	18,362	6,969	107,033	770	9,153	24,282	3,228
Maryland	870,830	12,590	5,577	428,164	60,944	13,090	2,939	280,773	281	29,333	36,359	780
North Carolina	534,478	34,427	4,580	24,339	126,073	7,464	10,160	275,453	845	7,586	37,796	5,753
South Carolina	151,808	16,542	4,506	6,285	70,105	8,928	1,185	32,987	864	1,452	8,789	165
Virginia	342,508	21,334	4,133	25,476	116,415	10,975	1,158	107,361	2,976	19,810	24,223	8,647
West Virginia	93,405	9,571	174	758	44,267	18,061	2,577	8,970	2,407	4,024	2,097	499
East South Central, total	972,519	95,122	2,610	34,265	449,890	40,493	2,505	266,637	4,389	36,638	37,574	2,396
Alabama	328,938	25,160	217	16,809	133,185	13,942	792	98,156	1,112	28,249	10,320	996
Kentucky	167,503	22,448	495	956	100,019	4,378	317	30,580	498	841	6,721	250
Mississippi	157,691	25,170	1,855	3,969	94,138	8,950	575	12,415	1,644	1,571	7,058	346
Tennessee	318,387	22,344	43	12,531	122,548	13,223	821	125,486	1,135	5,977	13,475	804
West South Central, total	1,440,533	110,260	10,698	90,972	573,377	55,775	13,416	441,660	14,423	42,769	80,429	6,754
Arkansas	124,118	22,759	100	1,705	79,385	702	94	14,115	578	349	3,530	801
Louisiana	273,413	18,784	1,971	5,714	143,761	25,882	2,455	63,195	1,870	1,832	7,920	29
Oklahoma	159,219	16,889	898	10,273	95,970	2,391	1,379	18,340	651	5,263	6,898	267
Texas	883,783	51,828	7,729	73,280	254,261	26,800	9,488	346,010	11,324	35,325	62,081	5,657
Mountain, total	1,063,270	58,099	17,957	130,308	346,167	31,755	11,432	263,340	23,254	66,137	111,241	3,580
Arizona	199,448	8,340	496	13,790	48,886	4,971	960	63,929	8,555	18,322	30,034	1,163
Colorado	300,486	10,815	15,193	18,479	81,008	6,897	2,663	104,726	3,340	19,676	36,407	1,284
Idaho	57,715	9,435	50	6,619	32,507	993	136	1,085	1,200	1,704	3,380	606
Montana	52,384	8,796	100	349	26,312	256	1,001	4,006	4,132	662	6,668	100
Nevada	33,046	3,216	962	225	10,322	1,468	5,069	5,584	2,014	594	3,514	78
New Mexico	165,150	6,955	1,005	33,244	59,082	10,020	710	21,232	537	22,867	9,468	10
Utah	231,720	5,962	151	56,648	79,355	6,461	628	60,807	2,394	2,126	17,088	100
Wyoming	23,321	4,578	0	954	8,695	689	265	1,971	1,082	166	4,662	239
Pacific, total	2,639,680	81,057	29,037	242,079	507,619	120,813	11,959	1,118,382	21,772	158,155	335,746	13,061
Alaska	35,143	2,792	1,825	1,098	6,103	962	475	1,466	3,731	6,724	9,967	0
California	1,887,307	31,372	8,434	187,595	311,502	90,292	6,340	853,129	8,469	133,259	248,152	8,763
Hawaii	83,720	12,940	6,524	7,320	17,442	2,400	3	14,024	641	7,131	13,107	2,188
Oregon	211,371	15,846	6,046	9,536	69,105	17,451	3,225	56,867	4,960	3,089	24,220	1,026
Washington	422,139	18,107	6,208	36,530	103,467	9,708	1,916	192,896	3,971	7,952	40,300	1,084

See explanatory information, if any, and SOURCE at end of table.

Table 8. Federal obligations to universities and colleges, by geographic division, State, and agency: fiscal year 1991

[Dollars in thousands]

Geographic division and State	Total	USDA	Com	DoD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Outlying areas, total	304,726	18,776	733	689	255,584	100	176	21,400	318	509	6,341	100
Guam	4,359	1,929	56	0	1,177	0	0	911	105	0	181	0
Puerto Rico	289,747	11,971	677	689	249,216	100	176	20,083	105	509	6,121	100
American Samoa	1,727	1,191	0	0	473	0	0	24	0	0	39	0
Virgin Islands	3,492	1,752	0	0	1,313	0	0	319	108	0	0	0
Trust Territory Pac isl	5,401	1,933	0	0	3,405	0	0	63	0	0	0	0

1/ Includes Department of Transportation, Agency for International Development, Department of Housing and Urban Development, Department of Labor, and Nuclear Regulatory Commission

KEY:
- Com = Department of Commerce
- DoD = Department of Defense
- DOE = Department of Energy
- Ed = Department of Education
- EPA = Environmental Protection Agency
- HHS = Department of Health and Human Services
- Int = Department of the Interior
- NASA = National Aeronautics and Space Administration
- NSF = National Science Foundation
- USDA = U.S. Department of Agriculture

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1991

Table 9. Federal obligations to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by type of activity: fiscal year 1991

[Dollars in thousands]

Institution	Total, all activities	Academic science and engineering							Non-science and engineering activities
		Total academic science and engineering	Research and development	R&D plant	Facilities for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science and engineering	Other science and engineering activities	
Total, all institutions	17,414,781	11,814,539	10,014,322	151,708	32,652	472,871	192,590	950,396	5,600,242
1 Johns Hopkins University	657,225	649,007	490,893	106	0	14,739	2,644	140,625	8,218
2 University of Washington	294,482	272,312	245,288	546	213	14,409	3,741	8,115	22,170
3 Stanford University	268,088	259,929	237,842	1,795	0	16,877	455	2,960	8,159
4 Mass Inst of Technology	263,306	256,463	232,619	9,810	-140	10,255	1,536	2,383	6,843
5 University of Michigan	238,443	218,199	193,954	4,228	123	13,075	2,593	4,226	20,244
6 Univ of Cal Los Angeles	229,566	208,252	194,217	370	46	9,124	1,703	2,792	21,314
7 Cornell University	213,626	200,805	156,151	2,350	28	7,758	1,100	33,418	12,821
8 Univ of Wis-Madison	213,442	205,012	179,079	5,301	252	7,927	597	11,856	8,430
9 University of Minnesota	210,856	196,571	168,962	20	70	7,172	1,806	18,541	14,285
10 Univ of Cal San Diego	202,857	194,596	182,815	411	35	9,489	930	916	8,261
Total 1st 10 institutions	2,791,891	2,661,146	2,281,820	24,937	627	110,825	17,105	225,832	130,745
11 Univ of Pennsylvania	201,356	186,678	169,352	1,009	241	12,793	1,410	1,873	14,678
12 Pennsylvania State Univ	200,467	166,943	144,400	0	199	2,101	525	19,718	33,524
13 Univ of Cal San Francisco	197,031	191,275	178,698	187	0	11,217	1,093	80	5,756
14 Harvard University	193,006	181,438	161,719	178	0	17,692	1,625	224	11,568
15 Howard University	191,540	24,858	19,124	1,700	0	1,324	2,064	646	166,682
16 University of Pittsburgh	185,173	156,811	147,757	1,390	0	3,736	797	3,131	28,362
17 Yale University	178,414	171,710	152,513	3,329	12	12,413	1,425	2,018	6,704
18 Univ of Cal Berkeley	168,621	151,707	136,020	0	15	11,465	758	3,449	16,914
19 University of Colorado	166,735	141,444	126,090	2,563	0	6,068	3,665	3,058	25,291
20 Columbia Univ Main Div	164,680	146,697	134,329	1,035	0	8,469	1,555	1,309	17,983
Total 1st 20 institutions	4,638,914	4,180,707	3,651,822	36,328	1,094	198,103	32,022	261,338	458,207
21 Univ of Southern Cal	162,790	140,088	133,074	0	18	3,647	784	2,565	22,702
22 Duke University	149,091	141,811	128,098	650	0	7,188	1,086	4,789	7,280
23 Washington University	144,569	138,696	125,282	577	0	11,681	642	514	5,873
24 Univ of NC at Chapel Hill	139,795	128,743	111,501	0	0	7,146	1,663	8,433	11,052
25 Univ of Ill Urbana	137,270	136,044	110,509	1,933	45	3,215	922	19,420	1,226
26 University of Rochester	131,293	122,363	103,510	9,928	186	5,630	1,041	2,068	8,930
27 University of Arizona	124,668	108,050	95,206	56	0	4,073	660	8,055	16,618
28 Ohio State University	120,030	99,596	82,106	79	980	1,801	974	13,656	20,434
29 University of Chicago	119,179	114,390	97,949	173	0	12,431	845	2,992	4,789
30 Indiana University	115,868	78,229	69,205	2,313	270	3,392	1,104	1,945	37,639
Total 1st 30 institutions	5,983,467	5,388,717	4,708,262	52,037	2,593	258,307	41,743	325,775	594,750
31 LA State Univ System	115,803	78,928	68,379	0	0	670	1,416	8,463	36,875
32 Univ of Texas at Austin	107,882	106,147	95,063	0	87	2,136	231	8,630	1,735
33 Univ Alabama Birmingham	106,807	95,038	90,355	0	0	3,387	967	329	11,769
34 New York University	106,461	92,019	86,150	0	43	4,143	1,178	507	14,442
35 University of Iowa	104,459	92,124	85,113	612	16	4,590	817	976	12,335
36 Case Western Reserve Univ	101,150	93,937	87,747	0	60	5,210	842	78	7,213
37 Univ of Cal Davis	100,155	84,989	79,671	920	0	2,523	676	1,199	15,166
38 University of Utah	100,126	85,856	70,877	9,398	0	2,022	840	2,719	14,272
39 Univ of Mass	99,756	84,804	76,630	0	69	1,512	1,574	5,019	14,952
40 University of Florida	99,483	79,467	63,270	2,609	68	2,700	1,009	9,811	20,016
Total 1st 40 institutions	7,025,551	6,282,026	5,511,517	65,576	2,936	287,200	51,291	363,506	743,525
41 Michigan State University	97,135	78,877	62,793	390	32	2,144	585	12,933	18,258
42 Univ of MD College Park	95,043	87,724	72,115	554	76	1,259	1,236	12,484	7,319
43 Georgia Institute of Tech	94,779	84,402	56,008	0	150	1,264	418	26,562	10,377
44 Texas A & M University	93,017	78,795	52,367	3,925	156	1,903	1,266	19,178	14,222
45 Vanderbilt University	92,481	86,704	76,437	0	14	6,243	1,337	2,673	5,777
46 Purdue University	92,339	80,046	64,543	38	212	2,295	540	12,420	12,293
47 Baylor Col of Medicine	90,272	87,593	82,849	0	0	2,177	871	1,696	2,679
48 California Inst of Tech	90,105	90,105	80,585	541	60	4,515	669	3,735	0
49 University of Miami	89,705	74,377	68,511	542	0	2,213	1,583	1,528	15,328
50 Boston University	86,658	73,893	67,153	602	64	4,267	926	881	12,765
Total 1st 50 institutions	7,947,085	7,104,542	6,194,878	72,166	3,700	315,480	60,722	457,596	842,543

See explanatory information, if any, and SOURCE at end of table.

Table 9. Federal obligations to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by type of activity: fiscal year 1991

[Dollars in thousands]

Institution	Total, all activities	Academic science and engineering							Non-science and engineering activities
		Total academic science and engineering	Research and development	R&D plant	Facilities for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science and engineering	Other science and engineering activities	
51 University of Virginia	86,075	76,251	66,916	57	0	5,114	1,090	3,074	9,824
52 Northwestern University	85,019	74,318	67,725	0	91	3,068	534	2,900	10,701
53 Univ of Tennessee All Cmp	84,882	66,496	50,204	172	50	1,172	578	14,320	18,386
54 University of Cincinnati	83,448	57,676	51,490	115	135	1,757	3,731	448	25,772
55 University of Kentucky	79,964	49,383	35,914	0	91	997	407	11,974	30,581
56 Yeshiva University	79,779	77,415	72,115	0	0	4,377	923	0	2,364
57 Rutgers the St Univ of NJ	76,670	59,594	45,852	2,468	0	2,554	1,619	7,101	17,076
58 Utah State University	75,655	63,010	53,430	272	0	420	517	8,371	12,645
59 New Mexico State Univ	73,129	56,752	42,903	0	355	7,539	800	5,155	16,377
60 Oregon State University	70,185	61,164	51,297	0	125	1,257	1,861	6,624	9,021
Total 1st 60 institutions	8,741,891	7,746,601	6,732,724	75,250	4,547	343,735	72,782	517,563	995,290
61 N C State Univ at Raleigh	70,037	63,510	43,697	257	59	3,218	887	15,392	6,527
62 Emory University	69,345	61,596	57,385	250	24	2,128	1,022	787	7,749
63 Univ of Ill Chicago	66,488	50,547	46,517	25	0	1,112	418	2,475	15,941
64 Iowa State University	66,466	52,611	34,028	5,065	0	1,293	256	11,969	13,855
65 Univ of Cal Irvine	63,307	54,994	50,950	162	0	2,267	1,298	297	8,313
66 Princeton University	63,221	58,149	51,233	291	83	4,439	147	1,956	5,072
67 Univ of Hawaii-Manoa	62,744	50,302	38,214	6,378	12	971	444	3,683	12,442
68 University of Georgia	62,684	56,465	40,715	2,248	52	896	523	12,031	6,219
69 Carnegie-Mellon Univ	61,834	55,474	50,167	200	84	2,235	241	2,567	6,360
70 U Tex SW Med Ctr - Dallas	61,787	59,837	55,878	0	0	3,027	370	562	1,930
Total 1st 70 institutions	9,389,784	8,310,086	7,202,108	90,126	4,841	365,341	78,388	569,282	1,079,698
71 Colorado State University	61,656	51,700	43,671	80	0	1,478	1,084	5,387	9,956
72 Virginia Commonwith Univ	58,575	49,198	46,324	0	55	1,791	611	417	9,377
73 University of New Mexico	58,019	37,341	32,446	0	512	1,231	1,714	1,438	20,678
74 U P R - Regional Col Admn	57,590	100	0	0	0	0	0	100	57,490
75 Georgetown University	56,967	40,996	37,668	0	0	878	870	1,580	15,971
76 SUNY at Stony Brook	56,928	54,173	50,403	474	70	1,217	624	1,385	2,755
77 University of Connecticut	56,855	51,205	42,860	0	0	1,543	2,512	4,290	5,650
78 Florida State University	56,223	47,245	45,334	11	0	437	784	679	8,978
79 Univ of Cal Santa Barbara	55,636	48,213	44,255	15	73	493	306	3,071	7,423
80 CUNY Mount Sinai Schl Med	54,588	51,345	50,037	0	0	1,065	213	0	3,243
Total 1st 80 institutions	9,962,821	8,741,602	7,595,106	90,706	5,551	375,504	87,106	587,629	1,221,219
81 Univ of MD Balt Prof Sch	54,357	51,061	48,125	82	0	1,205	982	667	3,296
82 Woods Hole Ocngrphic Inst	54,118	54,118	50,891	1,681	0	131	526	889	0
83 VA Polytech Inst & St U	53,513	45,445	32,033	910	17	414	155	11,916	8,068
84 University of Kansas	52,622	42,330	26,341	4,900	20	1,717	906	6,386	10,292
85 Univ of Nebraska-Lincoln	52,307	41,541	28,232	4,365	146	422	771	7,605	10,766
86 Gallaudet University	52,263	5,541	3,974	400	0	120	10	1,037	46,722
87 Wayne State University	52,047	35,948	33,280	0	58	927	1,497	186	16,099
88 Univ of Med & Dent of N J	51,871	42,685	41,465	0	0	523	594	103	9,186
89 West Virginia University	50,638	40,482	29,914	2,487	0	2,238	189	5,654	10,156
90 Univ of Missouri Columbia	50,584	40,219	26,537	236	0	1,039	335	12,072	10,365
Total 1st 90 institutions	10,487,141	9,140,972	7,917,898	105,767	5,792	384,240	93,111	634,164	1,346,169
91 Oregon Hlth Sciences Univ	49,398	45,507	43,481	300	0	1,240	287	219	3,891
92 SUNY at Buffalo All Cmps	48,539	46,109	39,895	0	53	892	464	5,005	2,430
93 Tufts University	47,904	43,783	41,571	209	0	1,183	744	76	4,121
94 Oklahoma State University	46,886	27,226	12,434	0	32	735	33	13,992	19,660
95 Univ of VT & St Agric Col	45,809	42,708	37,294	361	0	1,061	310	3,682	3,101
96 U Tex Hlth Sci Ctr S Anto	44,964	39,114	38,999	82	0	1,313	322	398	5,850
97 Brown University	44,658	39,803	36,015	112	73	1,563	356	1,682	4,855
98 Arizona State University	43,633	26,559	24,445	544	0	763	208	599	17,074
99 Wake Forest University	43,618	39,585	35,224	2,629	0	1,117	415	0	4,033
100 Dartmouth College	42,940	38,103	36,042	0	29	1,423	495	114	4,837
Total 1st 100 institutions	10,945,490	9,529,469	8,261,298	110,204	5,979	395,330	96,727	659,931	1,416,021

NOTE: The appearance of negative numbers is a result of deobligations; see "Survey Coverage" in Introduction.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1991

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